CBI	INDEX
	1

YES
YES
YES

FOLDER
General Process Information
Block process flow diagrams for the facility as a whole and for each process unit at facility

SUB-FOLDER
Pre-Reconfiguration

DOCUMENTS
2-d710-01-4 rev 09
GLD-2-D710-01-4 HVLC Collection System
2-D710-01-4 Rev12
CTE-26MF-13
E-D710-52-N-102 Rev 12
E-D710-52-N-102 Rev 11
CTE-51MF-20
CTE-24MF-3002
CTE-24MF-8
CTE-26MF-16
CTE-37MF-7
CTE-26MF-9
CTE-26MF-6
CTE-24MF-3003
CTE-26MF-7
CTE-26MF-12
CTE-26MF-5
CTE-26MF-10
CTE-24MF-3004
2-D710-01-5 Rev 11A
2-D710-01-5 Rev 11
2-D710-01-5 Rev 10
2-D710-01-5 Rev 17
2-D710-01-5 Rev 16
2-D710-01-5 Rev 11B
2-D710-01-5 Rev 12
GLD-2-D710-01-5 NCG Condenser System
CTE-24MF-3000
CTE-24MF-1
CTE-24MF-3001
Evaporator 3 Binder
E-D710-30-N-0100
Catawba CB2 P&ID's
Catawba RB3 P&ID Binder- Pre clean up

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Catawba RB3 BMS P&ID Binder
CTE-25MF-1
CTE-25MF-4
CTE-25MF-5
CTE-25MF-3
CTE-25MF-2
CTE-25MF-7
CTE-27MF-32
CTE-27MF-31
CTE-27MF-19
CTE-27MF-18
CTE-27MF-13A_VOID
CTE-27MF-15
CTE-27MF-2
CTE-27MF-25
CTE-27MF-12
CTE-27MF-14
CTE-27MF-20
CTE-27MF-21
CTE-27MF-5
CTE-27MF-11
CTE-27MF-22
CTE-27MF-23
CTE-27MF-3
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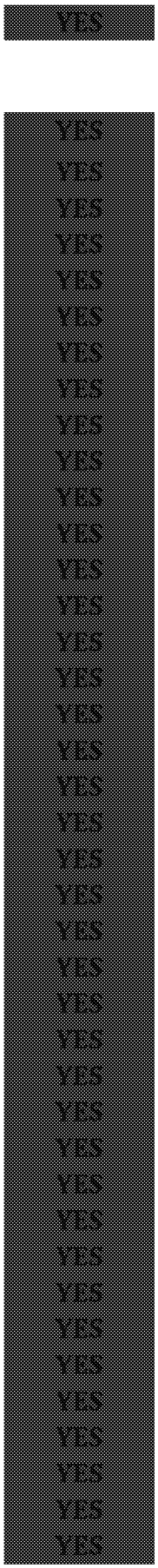
CTE-27MF-17
CTE-27MF-4
CTE-27MF-1
CTE-27MF-10
CTE-27MF-9
CTE-27MF-16
CTE-27MF-26
CTE-27MF-8
CTE-51MF-10 Rev 6
CTE-51MF-10 Rev 8
CTE-51MF-11 Rev 5
CTE-51MF-12 Rev 6
CTE-51MF-13 Rev 5
CTE-51MF-14 Rev 9
CTE-51MF- 14 Rev 14
CTE-51MF-15 Rev 5
CTE-51MF-16 Rev 5
CTE-51MF-17 Rev 4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Post-conversion to unbleached production

CTE-51MF-18 Rev 5
CTE-51MF-19 Rev 3
Response 1- Pre-Conversion Notes
203829-PRO-PID-5201_Area 52_DEMO P&ID Summary
203829-PRO-PID-4001_Area 40_DEMO P&ID Summary
Columbia Pulpmill 2200 ODSTPD NO PD 1204-MDB MARKUP
E-D710-52-N-0101
E-D710-20-21-N-0100
CTD-52MF-4028
2-D710-01-1
CTD-52MF-4030
2-D710-01-3
1-D710-01-8
CTD-52MF-4029
2-D710-01-5
CTD-52MF-4023
CTD-52MF-4020
CTD-52MF-4001-5
CTD-52MF-4012
CTD-52MF-4013
CTD-52MF-4027
CTD-52MF-4017
1-D710-01-4
CTD-52MF-4001-4
CTD-52MF-4014
CTD-52MF-4011
CTD-52MF-4025
CTD-52MF-4021
CTD-52MF-4019
CTD-52MF-4016
CTD-52MF-4026
E-D710-10-N-0101
CTD-52MF-4022
CTD-52MF-4015
CTD-52MF-4001-6
CTD-52MF-4001-2
CTD-52MF-4018
E-D710-52-N-102
E-D710-52-J-0617
CTD-52MF-4002
CTD-52MF-4024
CTD-52MF-4001-3

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CTD-52MF-4001-1
1-D710-01-9
0-D710-01-1
CTD-52MF-4009
1-D710-01-5
CTD-52MF-4008
CTD-52MF-4010
0-D710-01-13
1-D710-01-1
CTD-52MF-4004
CTD-52MF-4003
CTD-52MF-4006
CTD-52MF-4007
CTD-52MF-4005
CTD-10MF-4004 Sheet 2
CTD-10MF-4004 Sheet 1
CTE-51MF-25 Rev3 102121
CTE-26MF-007 R10 101821
CTE-51MF-014 R14
CTE-26MF-005 R13
Columbia NI OMB 200909a
CTD-10MF-4003 Mill Flow Balance
16#MAXPRODMAXSLICE_MINRECLAIM_REVQ SAVEALL DILUTE WITH 424
42#MAXPRODMAXSLICE_REVQ SAVEALL DILUTE WITH 424
CTD-41MF-4039
CTD-41MF-4099
CTD-41MF-4048
CTD-41MF-4038
CTD-41MF-4036
CTD-41MF-4042
CTD-41MF-4061
CTD-41MF-4032
CTD-41MF-4066
CTD-41MF-4051
CTD-41MF-4071
CTD-41MF-4021
CTD-41MF-4053
CTD-41MF-4008
CTD-41MF-4057
CTD-41MF-4070
CTD-41MF-4002
CTD-41MF-4050
CTD-41MF-4009

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CTD-41MF-4015
CTD-41MF-4047
CTD-41MF-4052
CTD-41MF-4065
CTD-41MF-4049
CTD-41MF-4055
CTD-41MF-4014
CTD-41MF-4003
CTD-41MF-4044
CTD-41MF-4020
CTD-41MF-4018
CTD-41MF-4045
CTD-41MF-4034
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CTD-41MF-4056
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CTD-41MF-4062
CTD-41MF-4028
CTD-41MF-4029
CTD-41MF-4064
CTD-41MF-4030
CTD-41MF-4016
CTD-41MF-4012B
CTD-41MF-4013
CTD-41MF-4037
CTD-41MF-4011B
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CTD-41MF-4067B
CTD-41MF-4024
CTD-41MF-4011A
CTD-41MF-4072
CTD-41MF-4067A
CTD-41MF-4058
CTD-41MF-4006
CTD-41MF-4012A
CTD-41MF-4043
CTD-41MF-4054
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CTD-41MF-4001
CTD-41MF-4068
CTD-41MF-4059
CTD-41MF-4063

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CTD-41MF-4019
CTD-41MF-4046
CTD-41MF-4004
CTD-41MF-4010
CTD-41MF-4031
CTD-41MF-4007
CTD-41MF-4026
CTD-41MF-4060
CTD-41MF-4027
CTD-41MF-4025
CTD-41MF-4005
CTD-41MF-4023
CTD-40MF-4010
CTD-40MF-4006
CTD-40MF-4012
CTD-40MF-4011
CTD-40MF-4000
CTD-40MF-4008
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CTD-40MF-4018
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CTD-40MF-4007
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CTD-40MF-4003
CTD-40MF-4001
CTD-40MF-4016
CTD-40MF-4014
CTD-40MF-4002
203829-PRO-PID-4101_Area 41_DEMO P&ID Summary
SP-CYCLELINK-07-23-2019 Rev A 200908a
NEWINDY1_NEWINDY1 324k AFTER
CTD-24MF-4013
CTD-24MF-4004
CTD-24MF-4012
CTD-24MF-4015
CTD-24MF-4016
CTD-24MF-4017
CTD-24MF-4005
CTD-24MF-4014

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CTD-24MF-4009
CTD-24MF-4008
CTD-24MF-4002
CTD-24MF-4007
CTD-24MF-4006
CTE-24MF-3001
CTE-24MF-1
Evaporator 3 Binder
CTD-37MF-4001
PULP DRYER 20191016
CTE-21MF-3
CTD-21MF-4014
CTD-21MF-4023
CTD-21MF-4022
CTD-21MF-4024
CTD-21MF-4004
CTD-21MF-4009
CTD-21MF-4019
CTD-21MF-4006
CTD-21MF-4017
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CTD-21MF- 4018
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CTD-21MF-4002
CTD-21MF-4000
CTD-21MF-4001
CTE-51MF-10 Rev 6
CTE-51MF-10 Rev 8
CTE-51MF-11 Rev 5
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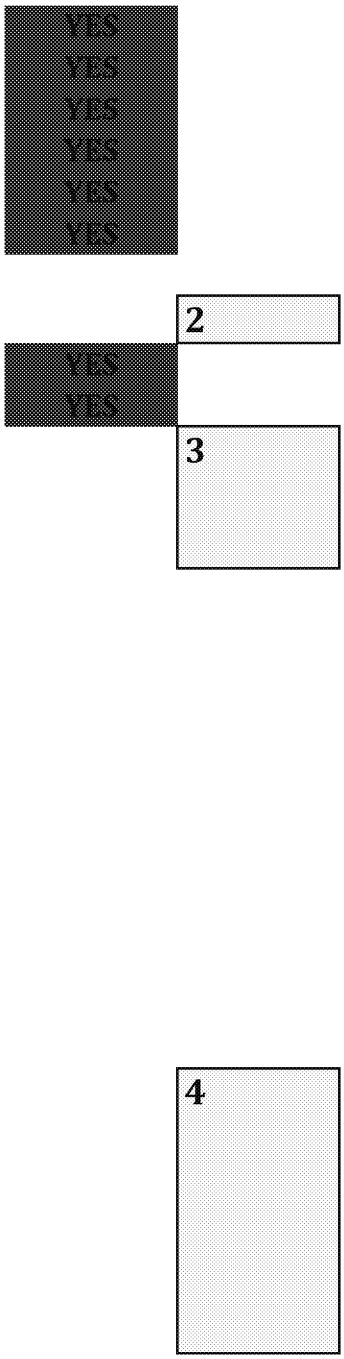
CTE-51MF-13 Rev 5
CTE-51MF-14 Rev 9
CTE-51MF-14 Rev 14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Provide a detailed plot plan of the facility

Provide a llist of all sources that feed into the non-condensable gas (NCG) system and provide a diagram of the NCG system

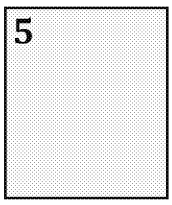
Provide a diagram of the stripper off-gas (SOG) systemj. The diagram should show each source that vents to the system, the location of where each source ties into the system, the location of each bypass line, flow rate monitors, pressure gauges, and the associated control device

The two drawings represent high level block diagram of the condensate systems. Refer to the P&IDs provided in other questions for additional details/information
PIDS

LHVC & HVLC

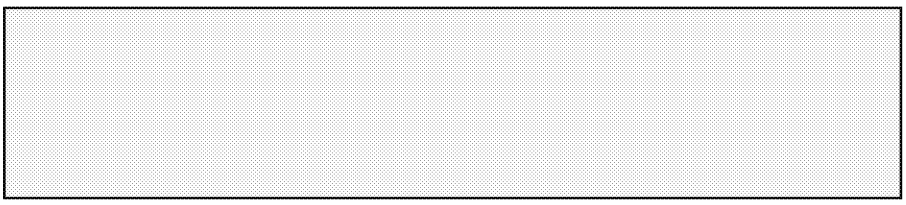
CTE-51MF- 15 Rev 5
CTE-51MF-16 Rev 5
CTE-51MF-17 Rev 4
CTE-51MF-18 Rev 5
CTE-51MF-19 Rev 3
CTD-17MF-4000
Response 1 - Post-Conversion Notes
D-10-517 NICB Catawba Site Plat
CTE-10CC-3300
CTD-10MF-4004 Sheet 2
CTD-10MF-4004 Sheet 1
NCG Collection System Diagram
CTD-52MF-4019
E-D710-52-N-102
1-D710-01-1
CTE-51MF-014 R14
CTE-51MF-25 REV3 102121
CTE-26MF-005 R13
CTE-26MF-007 R10 101821
203829-PRO-PID-5201_Area 52_DEMO P&ID Summary
CTD-10MF-4004 Sheet 2
CTD-10MF-4004 Sheet 1
CTE-51MF-25 REV3 102121
CTE-26MF-007 R10 101821
CTE-51MF-014 R14
CTE-26MF-005 R13
CTE-51MF-19
CTE-51MF-20
CTE-26MF-13
CTE-51MF-13
CTE-24MF-3002

YES



Provide a list of each continuous emission monitoring system (CEMS) currently installed at the facility. For each CEMS provide the model type, the emission point, and the pollutant monitored.

Steam Stripper



E-D710-30-N-0100
CTE-51MF-17
CTE-51MF-16
CTE-51MF-15
CTE-26MF-16
CTE-37MF-7
CTE-26MF-8
CTE-51MF-11
CTE-26MF-9
CTE-24MF-3003
E-D710-52-N-102
CTE-51MF-12
CTE-26MF-6
CTE-51MF-14
CTE-51MF-18
CTE-24MF-3001
CTE-26MF-12
CTE-51MF-10
CTE-26MF-7
CTE-26MF-5
CTE-26MF-10
2-D710-01-5
2-D710-01-4
CTE-24MF-3004
CTE-51MF-014 Rev14
CTE-24MF-3000
CTE-51MF-10 Rev 6
CTE-51MF-10 Rev 8
CTE-51MF-11 Rev 5
CTE-51MF 12 Rev 6
CTE-51MF 13 Rev 5
CTE-51MF-14 Rev 9
CTE-51MF- 14 Rev 14
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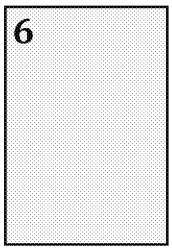
CTE-51MF-17 Rev 4
CTE-51MF-18 Rev 5
CTE-51MF-19 Rev 3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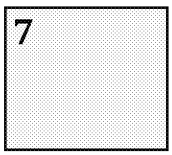
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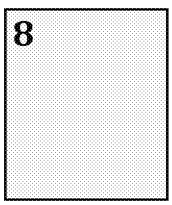
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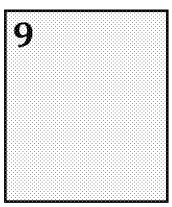
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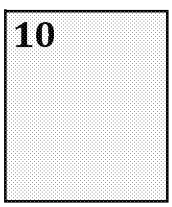
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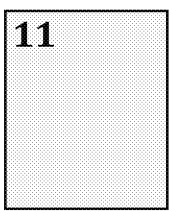
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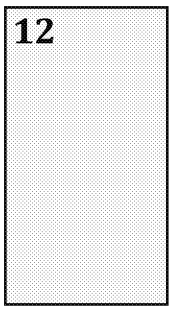

12

Provide monthly totals of bleached pulp production from January 2005 to present (air dried tons of bleached pulp per month). Provide a narrative description of how the production rates were derived.

Provide the daily kappa number of the bleached pulp from January 2005 to present. Provide a narrative description of how the kappa number was derived.

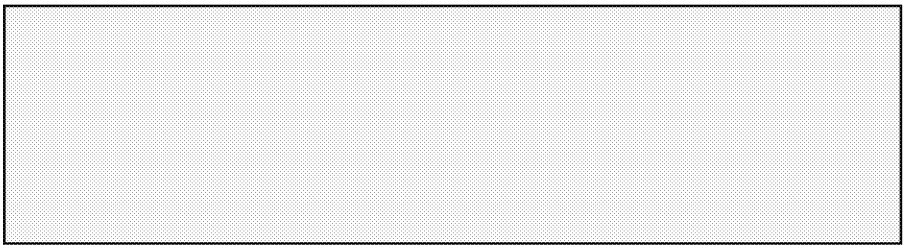
Provide monthly totals of unbleached pulp production from January 2005 to present (air dried tons of unbleached pulp per month). Provide a narrative description of how the production rates were derived.

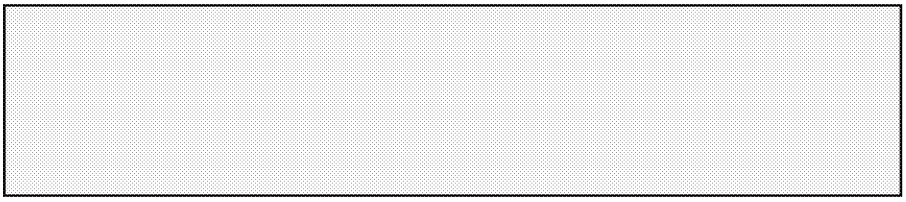
Provide the daily kappa number of the unbleached pulp from January 2005 to present. Provide a narrative description of how the kappa number was derived.

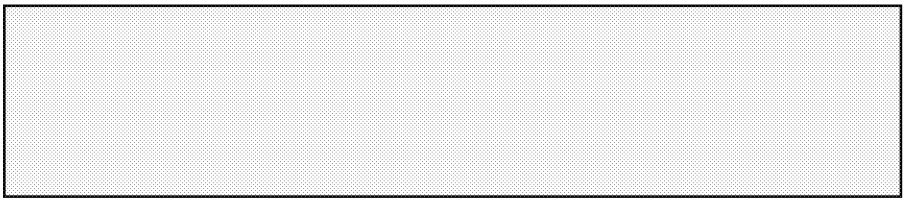
Provide the date, time, and duration of when the NCGs were vented to the atmosphere and not sent to the corresponding air pollution control device from January 1, 2015, to present.

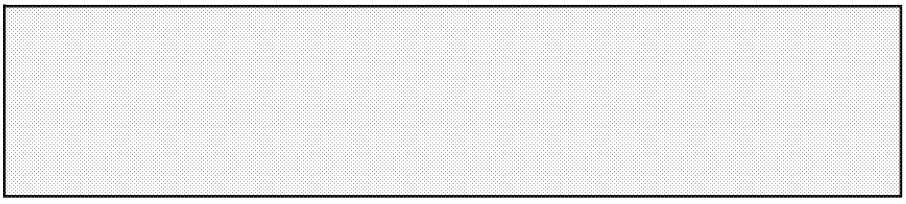
Provide the date, time, and duration of when the stripper off gases were vented to the atmosphere and not sent to the corresponding air pollution control device from January 1, 2015, to present.

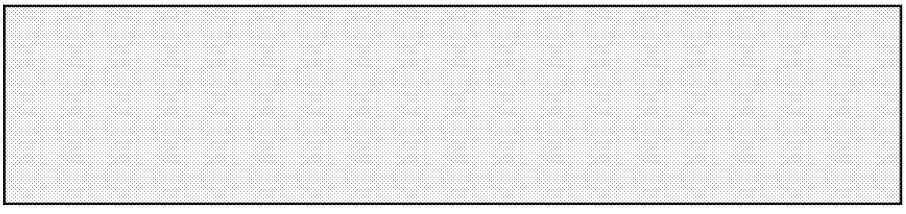
Provide copies of all documents that discuss emissions (i.e., hydrogen sulfide, methyl mercaptan, dimethyl sulfide, dimethyl disulfide, and volatile organic compounds) generated from shutting down the steam stripper and sending the kraft mill pulping process condensates to the aeration stabilization basin.

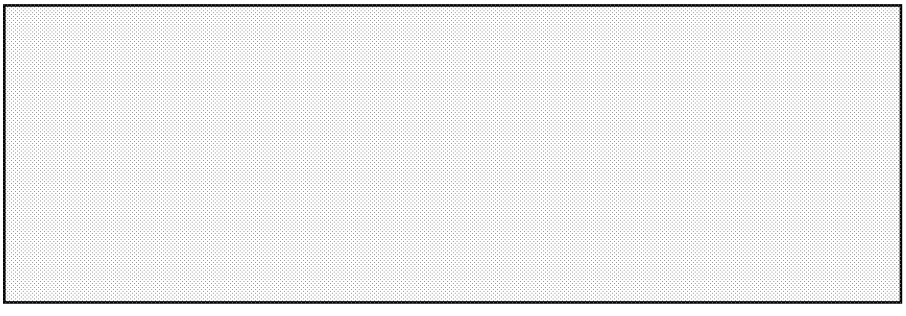




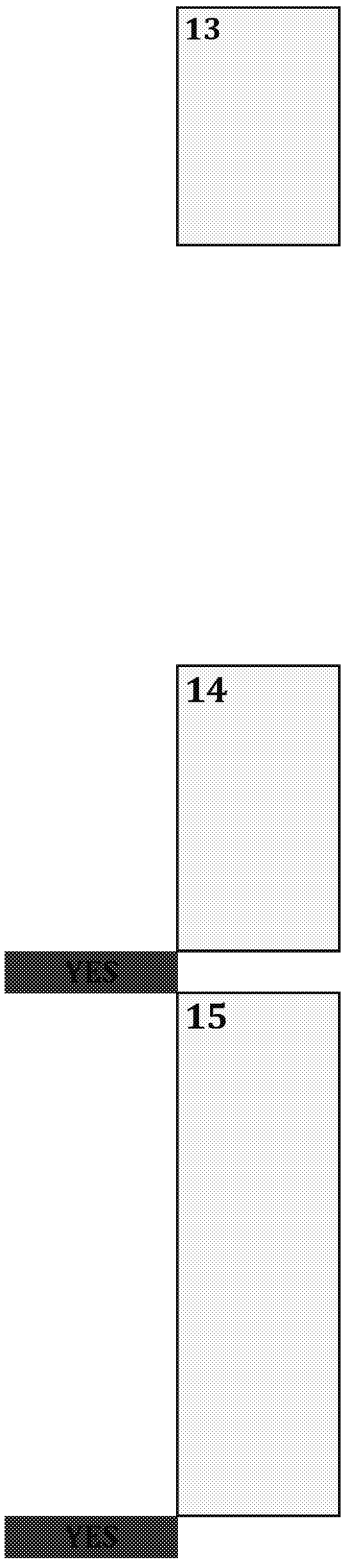








List of CEMS
Response 6 & 8- History- pulp production
Response 6 & 8 - Pulp productionr ate calculations
bleached kappa
Response 6 & 8- History- pulp production
Response 6 & 8 - Pulp productionr ate calculations
unbleached kappa
NCG venting
Response 11


13
14
YES
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YES

Provide copies of all documents that discuss emissions (i.e., hydrogen sulfide, methyl mercaptan, dimethyl sulfide, dimethyl disulfide, and volatile organic compounds) generated from the post aeration tank.

From January 1, 2015, to present, provide copies of all documents that discuss insufficient steam capacity issues or the need for additional steam capacity at the facility. In addition, provide copies of all documents that discuss any potential solutions to address the steam capacity issues.

Provide a list of all authorizations for expenditure (AFE) greater than $100,000 or capital appropriation requests (CAR) greater than $100,000 authorizing expenditures from January 1, 2005, to the present, as well as AFE or CAR projects greater than $100,000 which are planned, but not yet commenced. Please provide the information in electronic format and include at least the following details: a.) the date that the AFE or CAR was submitted b.) the cost of the project proposed by the AFe or CAR and c.) a brief description of the project proposed by the AFE or CAR

June-July IPT Report

December 23 Response to Stack Test Questions

CAP Modeling Report August 2021

CONST PERMIT APPLICATION PROJ COLA PUB ADDEND Apr 16, 2019
CONST PERMIT APPLICATION PROJ COLA CONF ADDEND Apr 16, 2020
Aug 2021 MACT Subpart S NOCS
New-Indy Catawba IPT Report Part 1- Narrative through Appendix A
New-Indy Catawba IPT Report Part 2- Appendices B through H
New-Indy Catawba IPT Report 3- Appendices I through K
Response to DHEC comments on New-Indy Catawba LLCs Condensate Test Report
New-Indy response to DHEC Condensate Test Report comments - Attachment A
New-Indy Catawba CAP Condition 5 Modeling Report FINAL -20210827
CTD-10MF-4003 MILL FLOW BALANCE
AFE Summary

16

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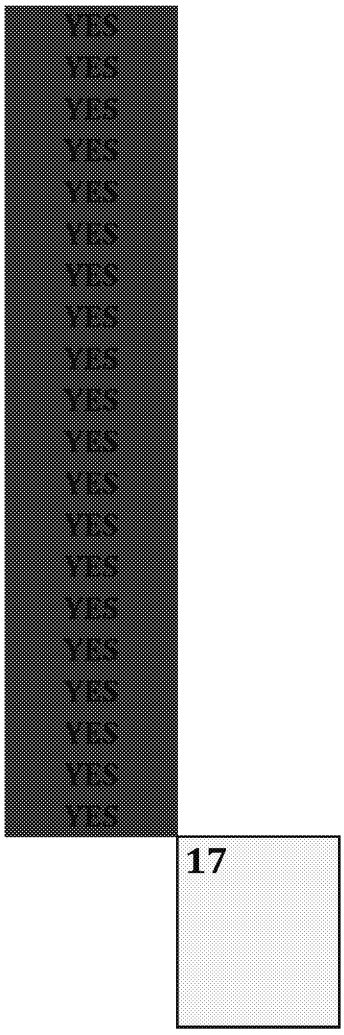
For each AFE or CAR project identified above, which has a capital expenditure of greater than $100,000, provide copies of all capital appropriation requests, financial justifications, and authorizations, including attachments and addenda, generated by, or prepared on behalf of the facility or its predecessors concerning that project.

2005-2018

2019-2021

2017 AF's
2012 AF's
Appropriation Requests [2005]
2016 AF's
Apprpriation Requests [2010 & 2011]
2014 AF's
2015 AF's
Appropriation Requests [2008 & 2009]
Appropriation Requests [2006 & 2007]
2013 AF's
CTW-029099- 2021 Prodigy 1854 Marsh Tuff Boat
CTW-013069- Weak Black Liquor Tank Rehabilitation
CTW-051046- Replace #3 Evaporator, 3rd Effect Heating Element
CTW-053008- Fiberline-2A Washer Drum Replacement
CTW 041720- Install Web Monitoring and Web Inspection Systems
CTW-010318- Replace 15kV Raw Water Feeder Cable
CTW-051045- Replace Furnace Floor - No 3 Recovery Boiler
CTW-040786- Install Automated Valmet MAP-Q Fiber Analyzer
CTW-051047- Replace #3 Evaporator, B Concentrator Heating Element
CTW- 052029- Fiberline- Control Room Upgrade
CTW-027201- Chemical- Green Liquor Dregs Dry Handling Truck
CTW-036030-IT-OT Data Center Hardware Replacement and Expansion
CTW-052034- Fiberline- GE Drives Upgrade
CTW-041716- PM3 Central Operations Control Room and Lab
CTW-052030- Fiberline- Feed Circulation Cooler Replacement
CTW-010320- Stores- Maintenance Office Roof Replacement
CTW-036029- IT- OT DataParc Software Purchase
CTW-051051- R83 ID Fan Drives Upgrade
CTW-052031- Fiberline-Blow Line Surface Drainage
CTW-041717-PM3 Building Ventilation Upgrade
CTW-029102- Wastewater-Permanent Power to No 1 Holding Pond
CTW-024057- Powerhouse- No 2 Set Evaporator Surface Condenser
CTW-041722- PM3- Forming Section Steam Box
CTW-029101- Black Liquor Spill Containment


YES
YES
YES
YES
YES
YES
YES
YES
YES
YES
YES
YES
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YES
YES
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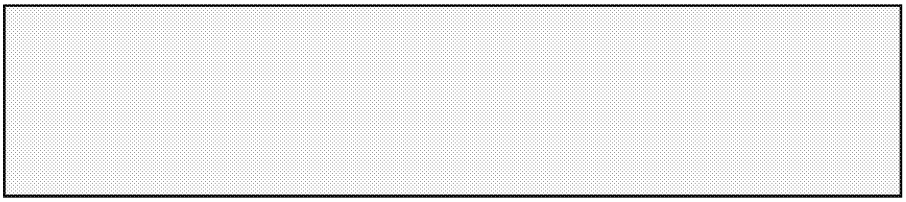
YES
YES

17

Provide a copy of all permit applications submitted to the South Carolina Department of Health and Environmental Control from January 2005 to the present.



CTW-0520320 Fiberline- Columbia- Fiberline Acid
CTW-027202- Bulk Acid Transfer to PM3 & Pulp Dryer
CTW_012054- Powerhouse 36 Mill Water Return Line
CTW-012054- Powerhouse 36 Mill Water Return Line- Supplemental
CTW-013288- East Woodyard Hoist and Trolley Drive Upgrade
CTW-041719- Doctor Blade Upgrades
CTW-041721- PM3 Roll Ramp
CTW-029100- Wastewater- Post Aeration Basin Scrubbing- Supplemental
CTW-051049- RB3- BMS Upgrade
CTW-051050- RB3- Precipitator Upgrade
CTW- 051048- Foul Condensate Hardpiping to ASB
CTW- 037066- CB1 CB2 Boiler Dry Ash Handling
CTW- 010321- Columbia- Balance of Plant Optimization
CTW-014095- Powerhouse- Evaporator Turpentine Recovery
CTW- 020550- PCB Transformer Removal
CTW- 024058- Powerhouse - #2 Evaporator Concentrator Heating Element Replacement
CTW-052034- Fiberline- Kappa Shives Analyzer
CTW-041723- PM3 Stretch Roll Lubrication
CTW-013289- West WY Hoist and Trolley Drive Upgrade
CTW-029100- Wastewater- Post Aeration Basin Scrubbing
CONSTRUCTION AIR PERMIT APPLICATION Aug. 22, 2005 white liquor storage
CONSTRUCTION PERMIT APPLICATION TMP BLEACHING PROJECT Dec. 2004
2013 TITLE V RENEWAL APPLICATION DHEC RESPONSE NOVEMBER 2014
2004 TITEL V RENEWAL APPLICATION Kb Tanks August 2006
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Jan 25, 2006
2013 TITLE V RENEWAL APPLICATION DHEC Response June 23, 2014
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Jan 26, 2006
2013 TITLE V RENEWAL APPLICATION DHEC Response July 2, 2014
PSD_NNSR PERMIT APPLICATION Fiberline Opt NCDAQ Response Mar 6, 2006
2013 TITLE V RENEWAL APPLICATION DHEC Response March 3, 2014
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Jan 20, 2006
2004 TITLE V RENEWAL APPLICATION Boiler Steam Ratings August 2006
TITLE V MODIFCATION REQUEST Lime Kiln May 6, 2011
CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response June 20, 2019
PSD CONSTRUCTION PERMIT APPLICATION Kraft MIll DHEC Response June 22, 2011
2013 TITLE V RENEWAL APPLICATION Supplemental Information February 14, 2013
2013 TITLE V RENEWAL APPLICATION Supplemental Information March 1, 2013
2004 TITLE V RENEWAL APPLICATION DHEC Q-11 WTS 2002 Form R Submitted June 2006
CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response June 25a, 2019

YES

CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response June 18, 2019
CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response June 25p, 2019
2004 TITLE V RENEWAL APPLICATION DHEC Q-21 No 2 Recovery June 2006
PSD CONSTRUCTION PERMIT APPLICATION Kraft MIll DHEC Response Sep 8, 2011
CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response June 19, 2019.
CONSTRUCTION PERMIT APPLICATION White Liquor Tank DHEC Response Sep 1 2005
PSD_NNSR PERMIT APPLICATION Fiberline Opt EPA Response Mar 9, 2006
2013 TITLE V RENEWAL APPLICATION DHEC Response May 7, 2014
2004 TITLE V RENEWAL APPLICATION CAM Proposal Mar 30, 2009
TITLE V MODIFICATION REQUEST TMP BLEACHING PROJECT Dec 5, 2005
2004 TITLE V RENEWAL APPLICATION WTS H2S and TRS Emissions May 2005
2004 TITLE V RENEWAL APPLICATION DHEC Q-8 Permitted Limits June 2006
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Jan 12, 2006
2013 TITLE V RENEWAL APPLOCATION DHEC Response April 2016
PSD CONSTRUCTION PERMIT APPLICATION Kraft MIll DHEC Response July 29 2011
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Dec 8, 2005
PERMIT EXEMPTION REQUEST PM2 Headbox Apr 29, 2016
CONSTRUCTION PERMIT APPLICATION ADDENDUM TMP BLEACHING PROJ Mar 2005
TITLE V MODIFICATION REQUEST White Liquor Storage Tank June 12, 2006
PSD CONSTRUCTION PERMIT APPLICATION Kraft MIll DHEC Response July 14, 2011
PSD CONSTRUCTION PERMIT APPLICATION Kraft MIll Extension Dec 17, 2012
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Feb 7, 2006
PSD_NNSR PERMIT APPLICATION Fiberline Opt EPA Response Mar 13, 2006
TITLE V MODIFICATION REQUEST Kraft MIll Optimization July 31, 2012
CONSTRUCTION PERMIT APPLICATION White Liquor Tank DHEC Response Oct 4 2005
2013 TITLE V RENEWAL APPLICATION DHEC Response March 21, 2014
2004 TITLE V RENEWAL APPLICATION DHEC Q-12 Landfill June 2006
CONSTRUCTION PERMIT APPLICATION PROJ PUB DHEC Resp Apr 21, 2020
CONSTRUCTION PERMIT APPLICATION PROJ COLA CONF DHEC Resp Apr 21, 2020
CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response May 1, 2020
2004 TITLE V RENEWAL APPLICATION DHEC Q-9 Woodyard June 2006
2004 TITLE V RENEWAL APPLICATION DHEC Q-12 WTS 1999 Condensates Submitted June 2006
PERMIT EXEMPTION REQUEST Boiler MACT May 7, 2014
PSD CONSTRUCTION PERMIT APPLICATION Kraft MIll DHEC Response Aug 2, 2011
CONSTRUCTION PERMIT APPLICATION Railcar Dumper June 2006.
2013 TITLE V RENEWAL APPLICATION DHEC Response November 2015
2004 TITLE V RENEWAL APPLICATION DHEC Q-12 Roads June 2006
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Nov 30, 2005
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Dec 7, 2005
2004 TITLE V RENEWAL APPLICATION DHEC Q-10 Storage Tanks June 2006.
PERMIT EXEMPTION REQUEST UPDATED Boiler MACT May 23, 2014
PSD_NNSR PERMIT APPLICATION Fiberline Optimization Modeling Aug 26, 2005
2013 TITLE V RENEWAL APPLICATION COMPLETENESS DETERMINATION January 9, 2013

YES

YES

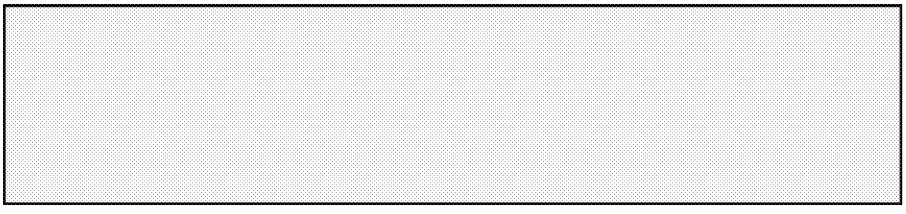
YES

YES

YES

18

Provide copies of all documents generated on or after January 2005, relating to the applicability of the New Source Review (NSR) and/or Prevention of Significant Deterioration (PSD) provisions of the CAA.



CONSTRUCTION PERMIT APPLICATION PROJ COLA PUB ADDEND_II, Apr 5, 2021
CONSTRUCTION PERMIT APPLICATION PROJ COLA CONF ADDEND_II Apr 4, 2021
PSD_NNSR PERMIT APPLICATION Fiberline Optimization Modeling Jan 9, 2006
CONSTRUCTION PERMIT APPLICATION Boiler MACT Apr 14, 2014.
PSD_NNSR PERMIT APPLICATION Fiberline Optimization July 26_27, 2005.
CONST PERMIT APPLICATION PROJ COLA PUB ADDEND Apr 16, 2019
CONST PERMIT APPLICATION PROJ COLA CONF ADDEND Apr 16, 2020
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Jan 24, 2006
CONSTRUCTION PERMIT APPLICATION PROJECT COLUMBIA PUB June 5, 2019
CONSTRUCTION PERMIT APPLICATION Lime Kiln July 20, 2010
CONSTRUCTION PERMIT APPLICATION PROJECT COLUMBIA CONF June 5, 2019
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Dec 28, 2005
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Oct 4, 2005
CONSTRUCTION PERMIT APPLICATION PROJ COLA PUB UPDATE July 1, 2019
CONSTRUCTION PERMIT APPLICATION PROJ COLA CONF UPDATE July 1, 2019
TITLE V MODIFICATION REQUEST PROJECT COLUMBIA PUB Feb 8, 2021
TITLE V MODIFICATION REQUEST PROJECT COLUMBIA CONF Feb 8, 2021
CONSTRUCTION PERMIT APPLICATION Outfall Emergency Generator Dec 2017
CONSTRUCTION PERMIT APPLICATION UPDATED Outfall Emer Gen Jan 2018.
PSD CONSTRUCTION PERMIT APPLICATION Kraft MIll Opt Mar 18 and Apr 15, 2011
PSD CONSTRUCTION PERMIT APPLICATION Kraft MIll DHEC Response June 1, 2011.
PSD CONSTRUCTION PERMIT APPLICATION Kraft MIll DHEC Response Aug 15, 2011
PSD CONSTRUCTION PERMIT APPLICATION Kraft MIll DHEC Response July 22 2011
2013 TITLE V PERMIT RENEWAL APPLICATION January 7, 2013
2013 TITLE V RENEWAL APPLICATION UPDATED March 6, 2017.
Index of air permitting actions
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Jan 25, 2006
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Jan 26, 2006
PSD_NNSR PERMIT APPLICATION Fiberline Opt NCDAQ Response Mar 6, 2006
PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Jan 20, 2006
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CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response June 18, 2019
CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response June 25p, 2019
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CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response June 19, 2019.
CONSTRUCTION PERMIT APPLICATION White Liquor Tank DHEC Response Sep 1 2005
PSD_NNSR PERMIT APPLICATION Fiberline Opt EPA Response Mar 9, 2006

YES

YES

YES

YES

YES

PSD_NNSR PERMIT APPLICATION Fiberline Opt DHEC Response Jan 12, 2006
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PSD CONSTRUCTION PERMIT APPLICATION Kraft Mill Extension Dec 17, 2012
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PSD_NNSR PERMIT APPLICATION Fiberline Opt EPA Response Mar 13, 2006
CONSTRUCTION PERMIT APPLICATION White Liquor Tank DHEC Response Oct 4 2005
CONSTRUCTION PERMIT APPLICATION PROJ PUB DHEC Resp Apr 21, 2020
CONSTRUCTION PERMIT APPLICATION PROJ COLA CONF DHEC Resp Apr 21, 2020
CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response May 1, 2020
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CONSTRUCTION PERMIT APPLICATION PROJ COLA CONF ADDEND_II Apr 4, 2021
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CONSTRUCTION PERMIT APPLICATION PROJ COLA CONF UPDATE July 1, 2019
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TITLE V MODIFICATION REQUEST PROJECT COLUMBIA CONF Feb 8, 2021
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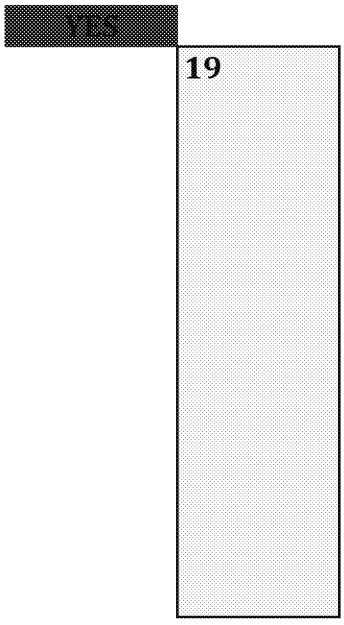
CONSTRUCTION PERMIT APPLICATION UPDATED Outfall Emer Gen Jan 2018.
PSD CONSTRUCTION PERMIT APPLICATION Kraft Mill Opt Mar 18 and Apr 15, 2011
PSD CONSTRUCTION PERMIT APPLICATION Kraft Mill DHEC Response June 1, 2011.E589
PSD CONSTRUCTION PERMIT APPLICATION Kraft Mill DHEC Response Aug 15, 2011
PSD CONSTRUCTION PERMIT APPLICATION Kraft Mill DHEC Response July 22 2011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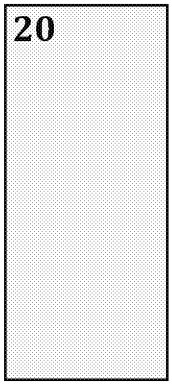
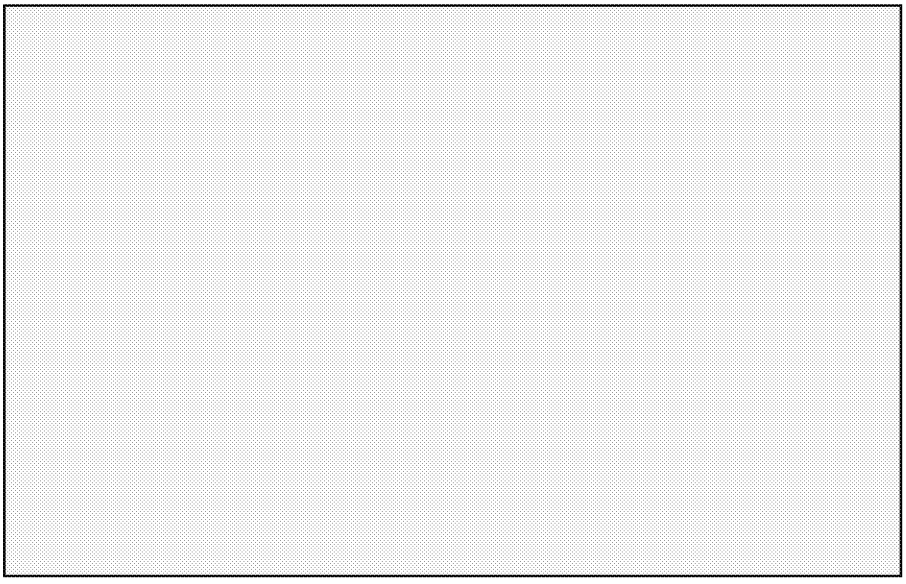
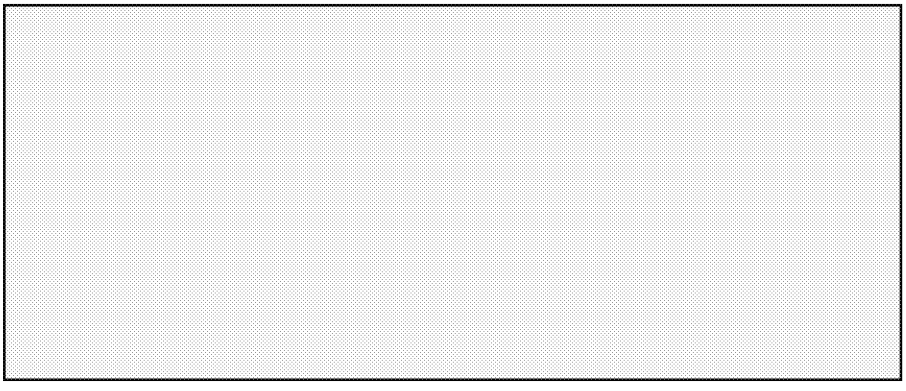
19


20

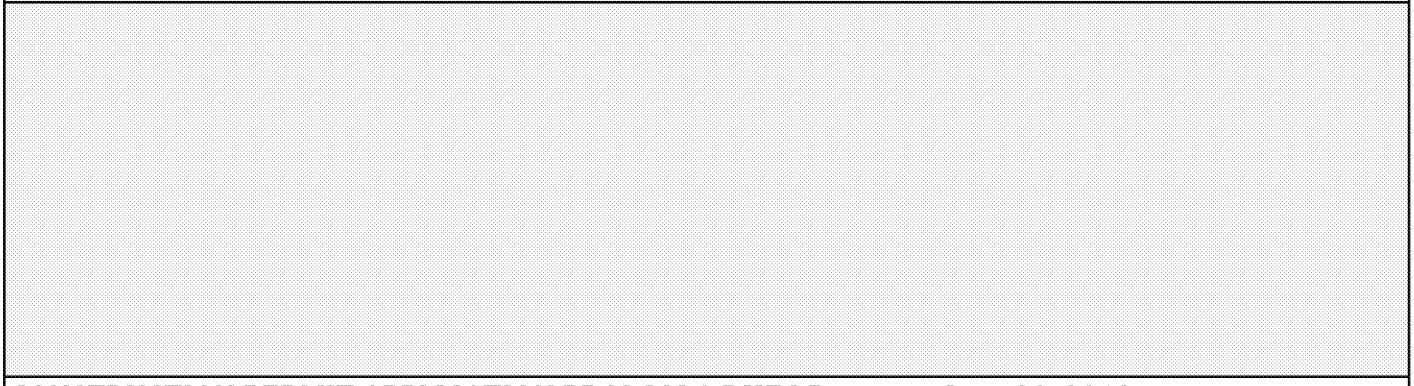
Provide a list of all permits to construct and permits to operate issued from January 1, 2005, to present. Please include the following information in the list:
a. Specify the date of permit issuance;
b. Provide a list of equipment that was modified or constructed pursuant to the permit;
c. State whether the permit is minor NSR, PSD, major non-attainment NSR or other type of permit; and
d. If a permit is a PSD or major non-attainment NSR permit, specify the pollutants for which such permit was issued.

Provide all records from on or after January 1, 2015, where the company has determined "projected actual emissions" pursuant to 40 C.F.R. §52.21(b)(41). The response to this item shall include, but shall not be limited to:
a. All documentation and rationale used to establish baseline emissions pursuant to 40 C.F.R. §52.21(b)(48).
b. All documentation and rationale used to exclude emissions pursuant to §52.21(b)(41)(c).





Index of air permitting actions
Confidential Project Columbia actual emissions

CP 2440-0005-DA request for termination of mod
PSD PUBLIC NOTICE Kraft Mill Optimization Oct 17, 2011
CONSTRUCTION PERMIT 2440-0005-DE Outfall Emergency Generator Jan 26 2018.
CONSTRUCTION PERMIT 2440-0005-CY TMP BLEACHING PROJECT March 23, 2005
PERMIT EXEMPTION LETTER PM2 Headbox May 12, 2016
CONSTRUCTION PERMIT 2440-0005-DB Lime Kiln Aug 12, 2010
CONSTRUCTION PERMIT 2440-0005-DF.R1 PROJECT COLUMBIA May 13, 2020
PSD_NNSR CONSTRUCTION PERMIT 2440-0005-DA Mar 16, 2006
CONSTRUCTION PERMIT 2440-0005-DF PROJECT COLUMBIA July 23, 2019
TITLE V OPERATING PERMIT TV-2440-0005 July 1, 2019
PSD PRELIM DETERMINATION Kraft MIll Optimization Oct 17, 2011
PSD FINAL DETERMINATION Kraft MIll Optimization Nov 18, 2011.
Construction Permit for White Liquor Storage Tank 2440-0005-CZ
Index of air permitting actions

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CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response June 25a, 2019
CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response June 18, 2019
CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response June 25p, 2019
CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response June 19, 2019

YES

YES

YES

YES

21

YES

YES

YES

YES

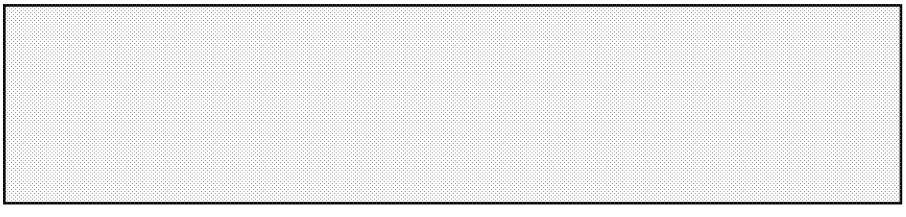
22

23

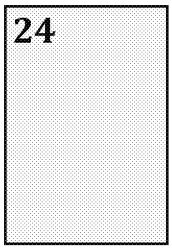
Provide all records and notices generated since January 2005, pursuant to 40 C.F.R. §52.21(r)(6).

Wastewater Treatment System
Provide daily average data of the volumetric flow rate of foul condensate (gallon/hr) to the condensate steam stripper (ID 9801) from January 1, 2005, to present. Provide a narrative description of how the flow rates were derived.

Provide daily average data of the mass flow rate of steam (lb/hr) to the condensate steam stripper (ID 9801) from January 1, 2005, to present. Provide a narrative description of how the flow rates were derived.



PERMIT EXEMPTION REQUEST PM2 Headbox Apr 29, 2016
CONSTRUCTION PERMIT APPLICATION PROJ PUB DHEC Resp Apr 21, 2020
CONSTRUCTION PERMIT APPLICATION PROJ COLA CONF DHEC Resp Apr 21, 2020
CONSTRUCTION PERMIT APPLICATION PROJ COLA DHEC Response May 1, 2020
CONST PERMIT APPLICATION PROJ COLA PUB ADDEND Apr 16, 2019
CONST PERMIT APPLICATION PROJ COLA CONF ADDEND Apr 16, 2020
CONSTRUCTION PERMIT APPLICATION PROJECT COLUMBIA PUB June 5, 2019
CONSTRUCTION PERMIT APPLICATION PROJECT COLUMBIA CONF June 5, 2019
CONSTRUCTION PERMIT APPLICATION PROJ COLA PUB UPDATE July 1, 2019
CONSTRUCTION PERMIT APPLICATION PROJ COLA CONF UPDATE July 1, 2019
CONSTRUCTION PERMIT APPLICATION Outfall Emergency Generator Dec 2017
CONSTRUCTION PERMIT APPLICATION UPDATED Outfall Emer Gen Jan 2018.
Index of air permitting actions
CONSTRUCTION PERMIT APPLICATION ADDENDUM TMP BLEACHING PROJ Mar 2005
CONST PERMIT APPLICATION PROJ COLA PUB ADDEND Apr 16, 2019
CONST PERMIT APPLICATION PROJ COLA CONF ADDEND Apr 16, 2020
CONSTRUCTION PERMIT APPLICATION PROJECT COLUMBIA PUB June 5, 2019
CONSTRUCTION PERMIT APPLICATION Lime Kiln July 20, 2010
CONSTRUCTION PERMIT APPLICATION PROJECT COLUMBIA CONF June 5, 2019
CONSTRUCTION PERMIT APPLICATION PROJ COLA PUB UPDATE July 1, 2019
CONSTRUCTION PERMIT APPLICATION PROJ COLA CONF UPDATE July 1, 2019
Index of air permitting actions
Confidential Project Columbia 2021 Actual VOC, SO2 and TRS Emissions
Volumetric Flow Rate of Foul Condensate and Mass Flow Rate of Steam
Volumetric Flow Rate of Foul Condensate and Mass Flow Rate of Steam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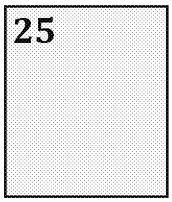

25

Provide daily average data of the volumetric flow rate of foul condensate (gallon/hr) to the aeration stabilization basin from January 1, 2005, to present. Provide a narrative description of how the flow rates were derived.

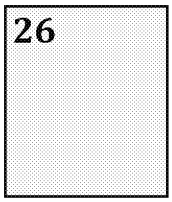
Provide complete copies, including attachments and/or appendices, of any hydrogen sulfide monitor studies that were conducted at the facility from January 2005 to present.

Modeling Files

Supporting Spreadsheets

Volumetric Flow Rate of Foul Condensate and Mass Flow Rate of Steam
New-Indy Catawba CAP Condition 5 Modeling Report Final
New-Indy Catawba - 2021 Modeling.7z
New-Indy Catawba Modeling Report FINAL
Meteorology.7z
NIC_DHEC_S_NT1519_07M.7z
NIC_DHEC_S_NH1519_07M.7z
NIC_DHEC_H2S_07M.7z
NIC_DHEC_TRS_07M.7z
NIC_DHEC_S_NHT1519_HOUREMIS
Terrain.7z

Ditch #2 Calcs
Ditch #1 Calcs
Ditch #0 Calcs
Eq Basin and Sludge Lagoon Calcs
SO2 Emissions Rates
PC (RSK-Average 7.9.2021-7.11.2021)
ASB (RSK-7.9.2021)_inlet flow corrected
ASB (RSK-7.11.2021)_inlet flow corrected
ASB (RSK-7.10.2021)_inlet flow corrected
Post ASB (RSK- 7.11.2021)
Post ASB (RSK- 7.10.2021)
Post ASB (RSK-7.9.2021)
Hourly SO2 Emissions 2017
Hourly SO2 Emissions 2016
Hourly SO2 Emissions 2015
Hourly SO2 Emissions 2018
Hourly SO2 Emissions 2019
H2S and TRS Emissions Rates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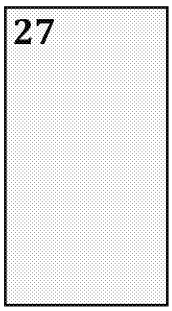
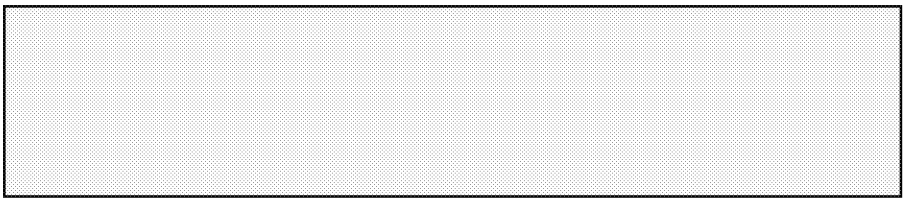

27

Provide complete copies, including attachments and/or appendices, of any air emissions studies, evaluations or modeling conducted on the aeration stabilization basin from January 2005 to present.

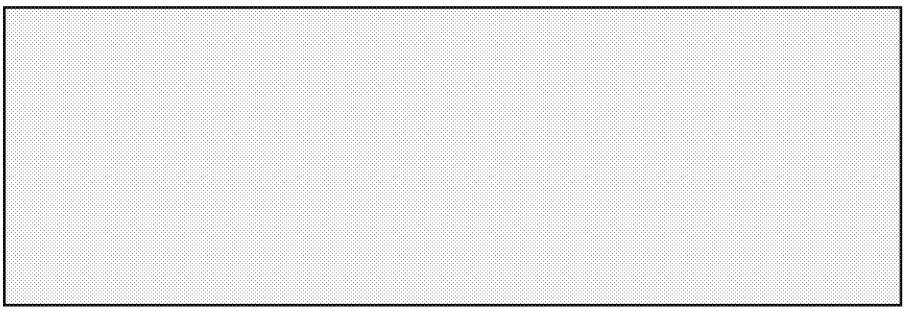
Provide complete copies, including attachments, of any document that pertains to or discusses the inlet and/or outlet concentrations of any hydrogen sulfide, total reduced sulfur, and volatile organic compounds for the aeration stabilization basin from January 2005 to present.



June-July IPT Report

December 23 Response to Stack Testing Questions

CAP Modeling Report August 2021



Post-IPT Lab Reports and Calculations

ASPEN_Model
H2SSIM_Modeling_Memo
Toxchem_Model_Data
Aug 2021 MACT Subpart S NOCS
New-Indy Catawba IPT Report Part 1- Narrative through Appendix A
New-Indy Catawba IPT Report Part 2- Appendices B through H
New-Indy Catawba IPT Report 3- Appendices I through K
Response to DHEC comments on New-Indy Catawba LLCs Condensate Test Report
New-Indy response to DHEC Condensate Test Report comments - Attachment A
New-Indy Catawba CAP Condition 5 Modeling Report FINAL -20210827
NICB 30-Day Notification Letter
ASPEN_Model
H2SSIM_Modeling_Memo
Toxchem_Model_Data
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K2113960
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K2109452

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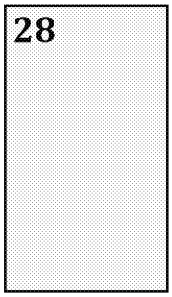
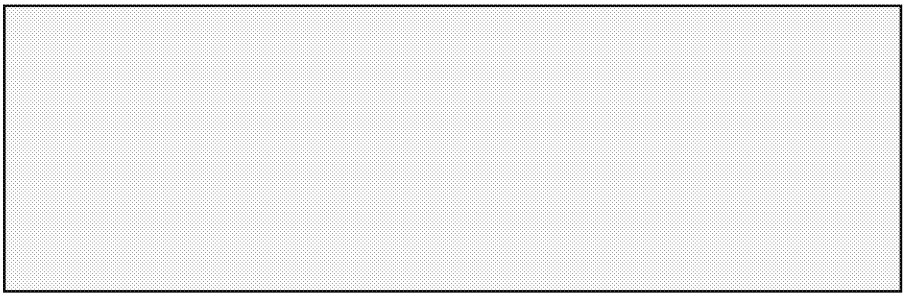

28

Provide complete copies of any performance test or sampling that was conducted on the inlet and/or outlet concentrations of hydrogen sulfide, total reduced sulfur, and volatile organic compounds for the aeration stabilization basin from January 2005 to present.

June-July IPT Report

December 23 Response to Stack Testing Questions

CAP Modeling Report August 2021



Post-IPT Lab Reports and Calculations

K2200984
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K2201358
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Post-IPT Compliance Calculations (2-28-2022)_clean
Aug 2021 MACT Subpart S NOCS
New-Indy Catawba IPT Report Part 1- Narrative through Appendix A
New-Indy Catawba IPT Report Part 2- Appendices B through H
New-Indy Catawba IPT Report 3- Appendices I through K
Response to DHEC comments on New-Indy Catawba LLCs Condensate Test Report
New-Indy response to DHEC Condensate Test Report comments - Attachment A
New-Indy Catawba CAP Condition 5 Modeling Report FINAL -20210827

NICB 30-Day Notification Letter

K2113684
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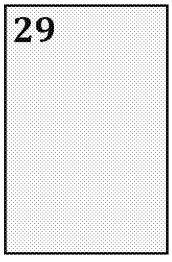
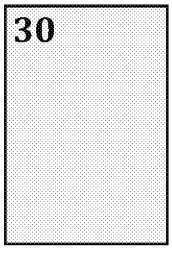

29


30

Provide complete copies, including attachments, of any document that pertains to or discusses the inlet and/or outlet concentrations of any hydrogen sulfide, total reduced sulfur, and volatile organic compounds for the post aeration tank basin from January 2005 to present.

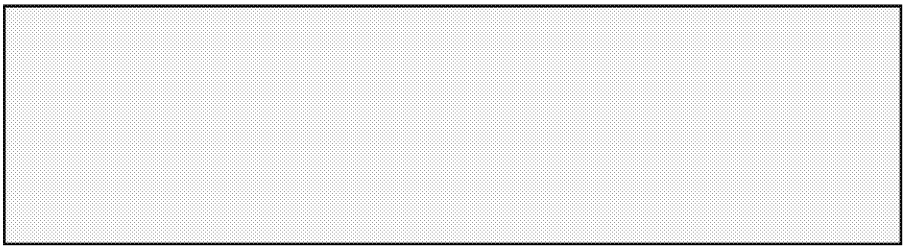
Provide complete copies of any performance test or sampling that was conducted on the inlet and/or outlet concentrations of hydrogen sulfide, total reduced sulfur, and volatile organic compounds for the post aeration tank from January 2005 to present.

June-July IPT Report

December 23 Response to Stack Testing Questions

June-July IPT Report

December 23 Response to Stack Testing Questions

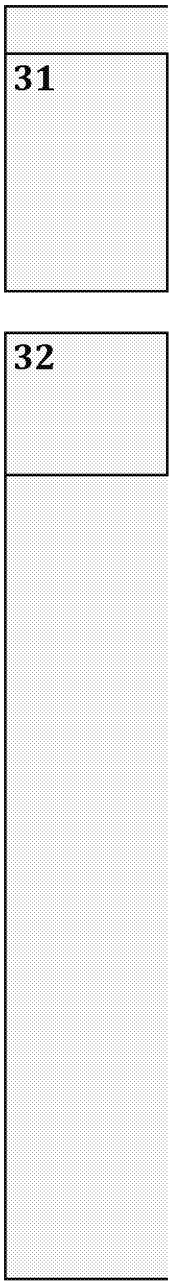


4Q21 PT Plan and Report

June-July IPT Report

December 23 Response to Stack Testing Questions

K2201358
K2201262
Post-IPT Compliance Calculations (2-28-2022)_clean
Aug 2021 MACT Subpart S NOCS
New-Indy Catawba IPT Report Part 1- Narrative through Appendix A
New-Indy Catawba IPT Report Part 2- Appendices B through H
New-Indy Catawba IPT Report 3- Appendices I through K
Response to DHEC comments on New-Indy Catawba LLCs Condensate Test Report
New-Indy response to DHEC Condensate Test Report comments - Attachment A
Aug 2021 MACT Subpart S NOCS
New-Indy Catawba IPT Report Part 1- Narrative through Appendix A
New-Indy Catawba IPT Report Part 2- Appendices B through H
New-Indy Catawba IPT Report 3- Appendices I through K
Response to DHEC comments on New-Indy Catawba LLCs Condensate Test Report
New-Indy response to DHEC Condensate Test Report comments - Attachment A
New-Indy Catawba IPT Report Total Document
Notification of 4Q21 Performance Test and Plan Incorporating DHEC Recommendations
FINAL New-Indy Catawba October Treatment PT Report 121721 with Lab Reports
Aug 2021 MACT Subpart S NOCS
New-Indy Catawba IPT Report Part 1- Narrative through Appendix A
New-Indy Catawba IPT Report Part 2- Appendices B through H
New-Indy Catawba IPT Report 3- Appendices I through K
Response to DHEC comments on New-Indy Catawba LLCs Condensate Test Report
New-Indy response to DHEC Condensate Test Report comments - Attachment A


31
32

Recovery Boiler No. 2

Provide copies of the information and documents of black liquor density and black liquor percent solids. Also provide a narrative description of how the company converts the black liquor firing rate from a volumetric flow rate to a mass flow rate.

Provide daily average data for recovery boiler #2 from January 1, 2005, to present, for the following parameters:

a. Black liquor firing rate (gallon/minute);

b. Black liquor recycling rate (gallon/minute);

c. Virgin black liquor dry solids firing rate (lb BLS/day);

d. Black liquor dry solids concentration from the evaporator in percentage solids (%); **e. Black liquor dry solids concentration to furnace in percentage solids (%);**

f. Black liquor heating value (BTU/gallon); g. Black liquor organic/inorganic ratio;

h. Gross heat input rate (million BTU/hr); i. Temperature (°F) in lower part of furnace;

j. Steam flow rate (lb/hr); k. Steam temperature (°F); l. Steam pressure (psig);

m. Superheater outlet temperature (°F); n. Superheater outlet pressure (psig);

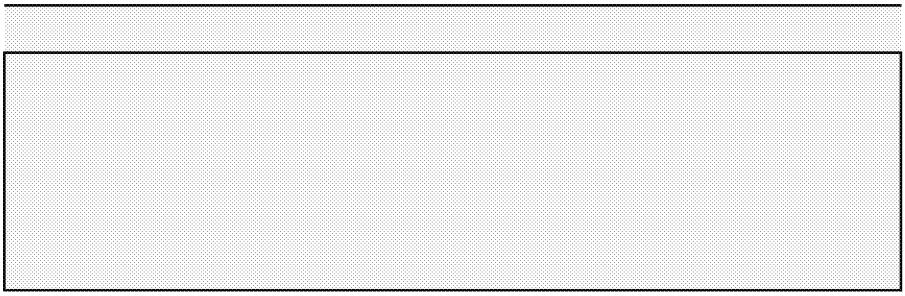
o. Feedwater inlet flow rate (lb/hr); p. Feedwater inlet temperature (°F);

q. Total air flow rate from the fans (lb/hr); r. Air temperature (°F);

s. Air pressure (psig); t. Air flow rate distribution to each level (% to primary, % to secondary, % to tertiary); u. Percentage (%) excess air to the boiler;

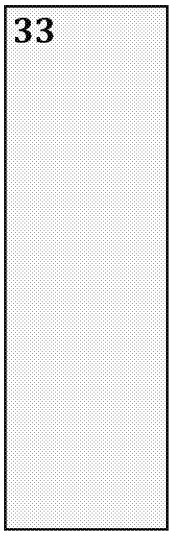
v. Percentage (%) oxygen leaving economizer; **w. Auxiliary fuel firing rates;**

x. Stack gas dry volumetric flow rate; and **y. Stack gas temperature.**



Response to 31, 32, 36, 37, 47, 48, 50, 51, 59 and 60 xlsx

Information is unavailable.
Information is unavailable.
Information is unavailable prior to 11/14/2020.
Value is measured periodically, not daily.
Value is measured periodically, not daily.
Information is unavailable.
Response to 31, 32, 36, 37,47, 48,50, 51, 59 and 60 xlsx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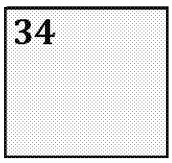
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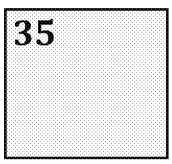
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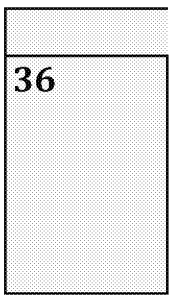
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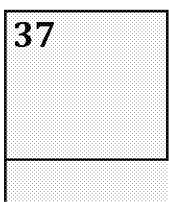

37

Provide copies of all stack test reports for particulate matter (PM), nitrogen oxides (NOx), volatile organic compounds (VOCs), carbon monoxide (CO), total reduced sulfur (TRS) compounds, and sulfur dioxide (SO2) performed for compliance, engineering, or other purposes from January 1, 2005, to present. The test reports should contain the summary of results, the production data, process operational data and the control device operational data collected during each test (i.e., input flow rates and control device parameters).

Provide copies of the TRS CEMS data from January 1, 2005, to present. This TRS CEMS data should be provided electronically in a spreadsheet.

Provide copies of the NOx CEMS data from January 1, 2005, to present. This NOx CEMS data should be provided electronically in a spreadsheet.

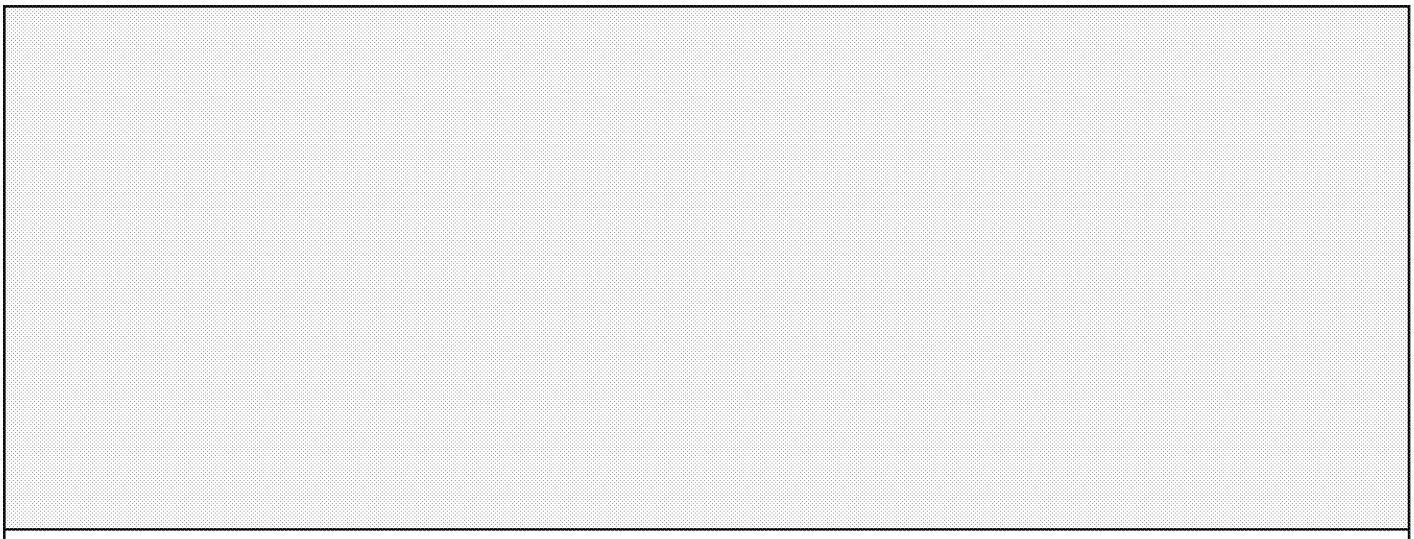
Recovery Boiler No. 3

Provide copies of the information and documents of black liquor density and black liquor percent solids. Also provide a narrative description of how the company converts the black liquor firing rate from a volumetric flow rate to a mass flow rate.

Provide daily average data for recovery boiler No. 3 from January 1, 2005, to present, for the following parameters:

a. Black liquor firing rate (gallon/minute);

Stack Test Reports



Bowater Catawba Aug 08 #2 RB PM & TRS Comp Rpt

BOWATER CATAWBA, SC SEP 06 #2 RB TRS RATA REPORT

RESOLUTE CATAWBA MAR 12 COMP REPORT

BOWATER CATAWBA APR 10 COMP REPORT

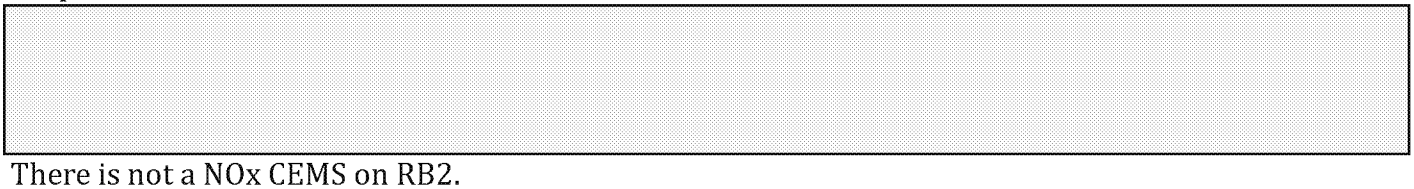
RESOLUTE CATAWBA APR 2014 #2-3 RF COMP REPORT

Bowater Catawba July 06 #2 RF PM Comp Rpt

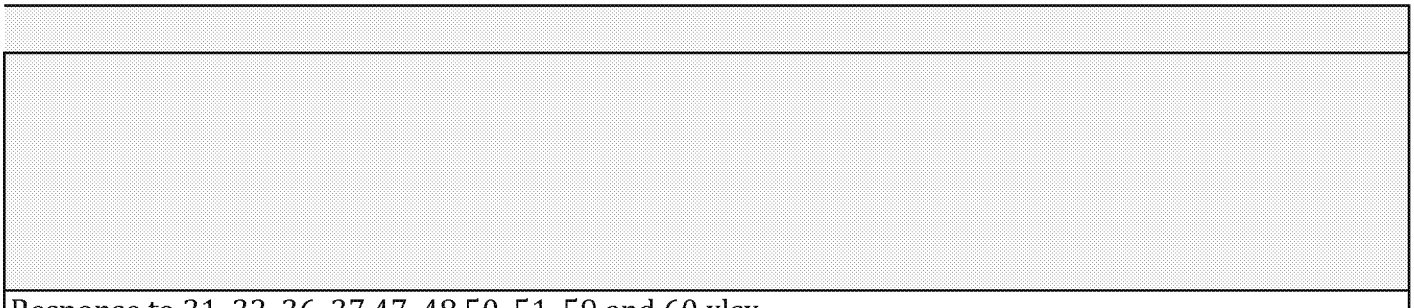
Resolute Catawba Mar 2016 Compliance Report

RESOLUTE CATAWBA APR 2018 COMPLIANCE REPORT

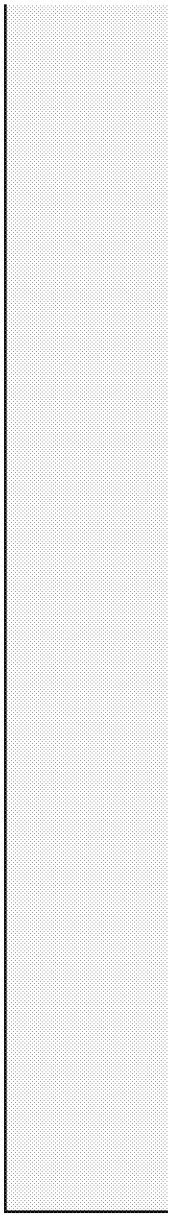
Response to 34, 39, 40 and 43 xlsx

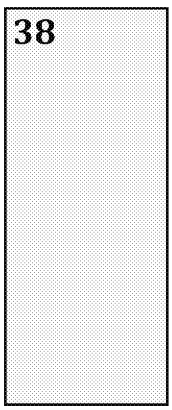


There is not a NOx CEMS on RB2.



Response to 31, 32, 36, 37,47, 48,50, 51, 59 and 60 xlsx




38

b. Black liquor recycling rate (gallon/minute);
c. Virgin black liquor dry solids firing rate (lb BLS/day);
d. Black liquor dry solids concentration from the evaporator in percentage

solids (%);
e. Black liquor dry solids concentration to furnace in percentage solids (%);

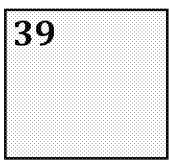
f. Black liquor heating value (BTU/gallon);
g. Black liquor organic/inorganic ratio;
h. Gross heat input rate (million BTU/hr);
i. Temperature (°F) in lower part of furnace;
j. Steam flow rate (lb/hr);
k. Steam temperature (°F);
l. Steam pressure (psig);
m. Superheater outlet temperature (°F);
n. Superheater outlet pressure (psig);
o. Feedwater inlet flow rate (lb/hr);
p. Feedwater inlet temperature (°F);
q. Total air flow rate from the fans (lb/hr);
r. Air temperature (°F);
s. Air pressure (psig);
t. Air flow rate distribution to each level (% to primary, % to secondary,

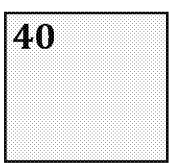
% to tertiary);
u. Percentage (%) excess air to the boiler;
v. Percentage (%) oxygen leaving economizer;
w. Auxiliary fuel firing rates;
x. Stack gas dry volumetric flow rate; and
y. Stack gas temperature.

Provide copies of all stack test reports for PM, NOx, VOCs, CO, TRS compounds, and SO2 performed for compliance, engineering, or other purposes from January 1, 2005, to present. The test reports should contain the summary of results, the production data, process operational data and the control device operational data collected during each test (i.e., input flow rates and control device parameters).

Stack Test Reports

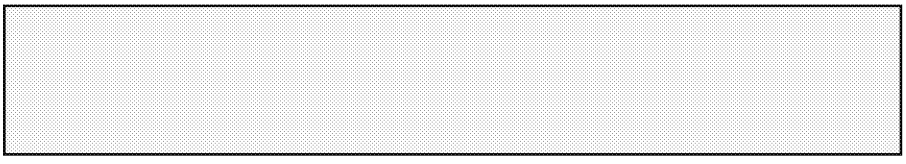
Information is unavailable.
Information is unavailable.
Information is unavailable prior to 11/14/2020.
Value is measured periodically, not daily.
Value is measured periodically, not daily.
Data unavailable prior to 3/25/2005.
Data is unavailable.
Data unavailable prior to 6/24/2006.
Data unavailable prior to 6/22/2006.
Gas firing data unavailable prior to 3/29/2005.
Data is unavailable.
Response to 31, 32, 36, 37,47, 48,50, 51, 59 and 60 xlsx
BOWATER CATAWBA AUG 09 COMP RPT- Table 2-1
BOWATER CATAWBA AUG 2005 #3 RB Corrected Pages82205
BOWATER CATAWBA AUG 08 #3 RF- corrected pages

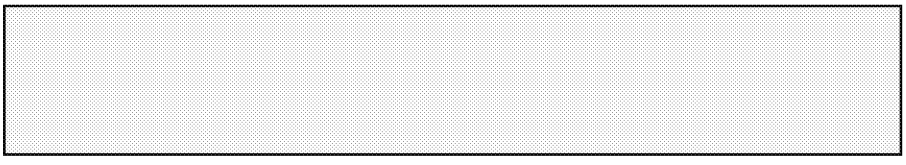

39


40

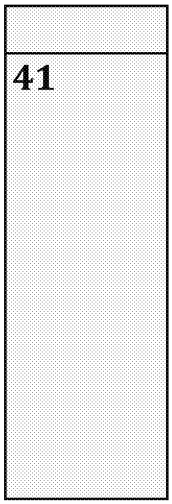
Provide copies of the TRS CEMS data from January 1, 2005, to present. This TRS CEMS data should be provided electronically in a spreadsheet.

Provide copies of the NOx CEMS data from January 1, 2005, to present. This NOx CEMS data should be provided electronically in a spreadsheet.





BOWATER CATAWBA OCT 05 #RF PM RPT- Rev2
BOWATER CATAWBA AUG 09 COMP RPT (Revised Pages)
BOWATER CATAWBA OCT 06 #3 RF RPT
BOWATER CATAWBA AUG 05 #3 RB EMISSION REPORT
BOWATER CATAWBA AUG 07 #3 RB NOX PST REPORT
BOWATER CATAWBA AUG 06 #3 RF PM-NOX RPT
BOWATER CATAWBA AUG 08 #3 RF COMP RPT
BOWATER CATAWBA AUG 07 #3 RF COMP RPT
BOWATER CATAWBA OCT 5 #RF PM RPT
RESOLUTE CATAWBA APR 2015 #3 RB CEMS RATA REPORT
BOWATER CATAWBA OCT 5 #RG PM RPT- REV
BOWATER CATAWBA MAR 05 #RF PM RPT
Resolute Catawba Mar 2016 #3 RB CEMS RATA Report
Resolute Catawba Apr 2014 #3 RB CEMS RATA Report
NEW-INDY CATAWBA MAY 2020 3 RD CO COMP RPT
NEW-INDY CATAWBA APR 2019 NO 3 RB CEMS RATA REPORT
BOWATER CATAWBA MAY 11 COMP REPORT
BOWATER CATAWBA AUG 09 COMP RPT
NEW_INDY CATAWBA MAY 2020 3 RB CEMS RATA REPORT
RESOLUTE CATAWBA MAY 2017 NO RB CEMS RATA REPORT
NEW-INDY CATAWBA JAN 2022 3 RB CEMS RATA REPORT
BOWATER CATAWA SC SEP 06 #3 RB TRS RATA REPORT
RESOLUTE CATAWBA APR 2018 NO 3 RB CEMS RATA REPORT
RESOLUTE CATAWBA MAR 12 COMP REPORT
BOWATER CATAWBA APR 10 COMP REPORT
RESOLUTE CATAWVA APR 2014 #2-3 RF COMP REPORT
NEW-INDY CATAWBA FEB 2021 3 RB PM- CO COMP RPT
BOWATER CATAWBA APR 2015 COMP REPORT
Resolut Catawba Mar 2016 Compliance Report
RESOLUTE CATAWBA APR 2018 COMPLIANCE REPORT
Response to 34, 39, 40 and 43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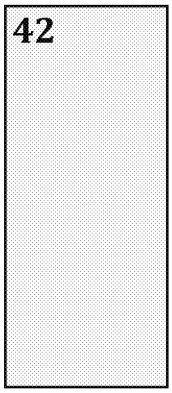

42

Lime Kiln No. 2
Provide monthly production data for the lime kiln from January 1, 2005, to present. The production data should include, but not be limited to, hours of operation (hours per month), fuel usage of all or any fuels fired (tons per month or gallons per month), lime mud flow rate (gallons per month), lime mud solids content (percent), and lime kiln production rate (tons of calcium oxide per month). Provide a narrative description of how the production rates were derived.

Provide copies of all stack test reports for PM, NOx, VOCs, CO, TRS compounds, and SO2 performed for compliance, engineering, or other purposes from January 1, 2005, to present. The test reports should contain the summary of results, the production data, process operational data and the control device operational data collected during each test (i.e., input flow rates and control device parameters).

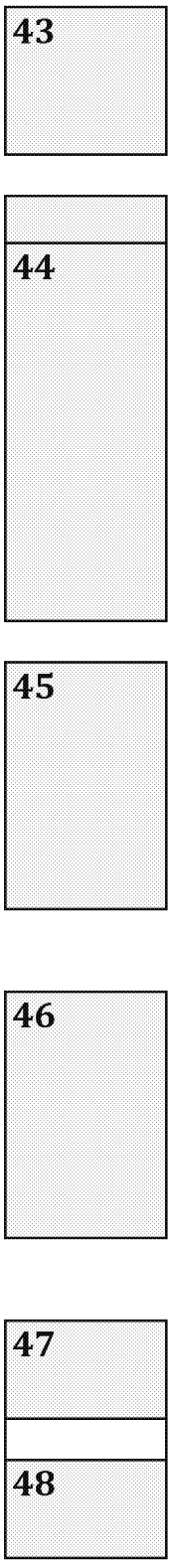
Stack Test Reports

Response to 34, 39, 40 and 43

Lime Kiln Production Information

Response 41- lime Kiln production rate calculation

BOWATER CATAWBA AUG 05 #2 LK Corrected Page 1-1
BOWATER CATAWBA AUG 05 #2 LK EMISSION REPORT
BOWATER CATAWBA AUG 07 #2 LK EMISSION REPORT
BOWATER CATAWBA OCT 11 #2 LK NOX EMISSION REPORT
BOWATER CATAWBA SEP 08 #2 LK PM NOX CO SO2 EMISSION REPORT
BOWATER CATAWBA SEO 06 #2 LK EMISSION REPORT
Resolute Catawba Mar 2013 #2 LK-#3 RF Comp Report
NEW_INDY CATAWBA MAY 2020 2LK NOX-CO2-CO COMP RPT
RESOLUTE CATAWBA MAR 2014 #2 LK-SWING BOILER COMP REPORT
BOWATER CATAWBA MAY 11 COMP REPORT
NEW-INDY CATAWBA APR 2019 2LK- 3 RB NOX COMP RPT
BOWATER CATAWBA SEP 06 #2 LK TRS RATA REPORT
RESOLUTE CATAWBA MAR 12 COMP REPORT
BOWATER CATAWBA APR 10 COMP REPORT
BOWATER CATAWBA APR 2015 COMP REPORT
NEW-INDY CATAWBA MAY 2020 2 LK-3 RB-2-3 SDTV PM COMP RPT
Resolute Catawba Mar 2016 Compliance Report


43
44
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48

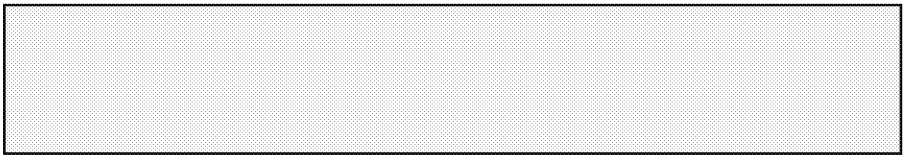
Provide copies of the TRS CEMS data from January 1, 2005, to present. This TRS CEMS data should be provided electronically in a spreadsheet.

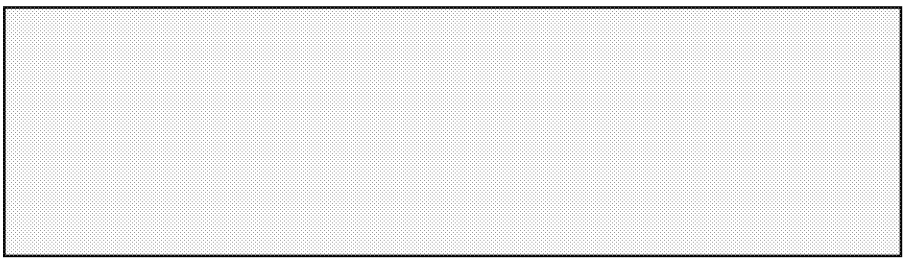
TRS Pre-Scrubber for Sulfur Recovery System
It is the EPA's understanding that the company operates a sulfur recovery system that treats the SOGs and the NCGs to recover sulfur compounds prior to being incinerated in one of the two combination boilers. Provide a detailed description of how the sulfur scrubbing system works, and the parameters the company monitors to ensure the sulfur recovery system is operating properly.

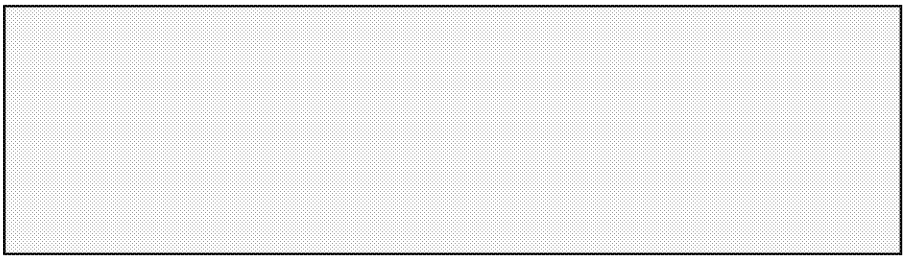
Provide copies of sampling data and flow rate data of the gas stream entering the sulfur recovery system. The sampling data should include, but not be limited to, hydrogen sulfide, methyl mercaptan, VOCs, and TRS compounds.

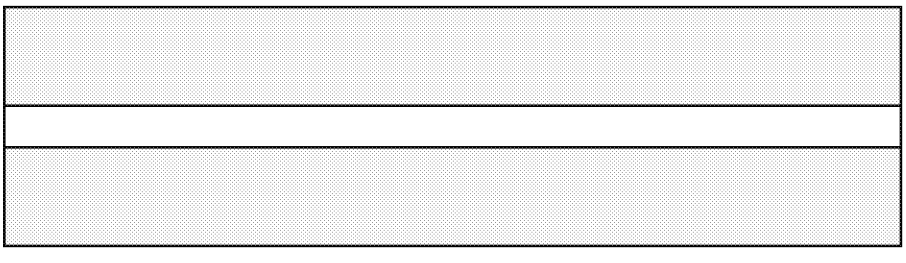
Provide copies of sampling data and flow rate data of the gas stream exiting the sulfur recovery system. The sampling data should include, but not be limited to, hydrogen sulfide, methyl mercaptan, VOCs, and TRS compounds.

Provide copies of the records of the pre-scrubber volumetric flow rate from January 1, 2005, to present.
Provide copies of the records of the pre-scrubber pH from January 1, 2005, to present.









NEW-INDY CATAWBA REB 2021 2-3 RBS-2 LK PST REPORT
RESOLUTE CATAWBA APR 2018 COMPLIANCE REPORT

Response to 34, 39, 40 and 43

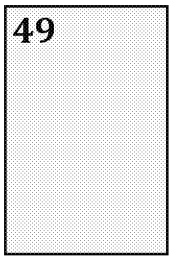
Scrubber system

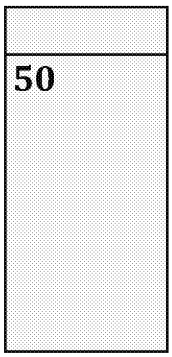
Inlet flow rate is not measured. The outlet flow rate measurement includes steam rate.

Response to 31, 32, 36, 37, 47, 48, 50, 51, 59 & 60 xlsx

Inlet flow rate is not measured. The outlet flow rate measurement includes steam rate.

Response to 31, 32, 36, 37, 47, 48, 50, 51, 59 & 60 xlsx
Response to 31, 32, 36, 37, 47, 48, 50, 51, 59 & 60 xlsx
Response to 31, 32, 36, 37, 47, 48, 50, 51, 59 & 60 xlsx


49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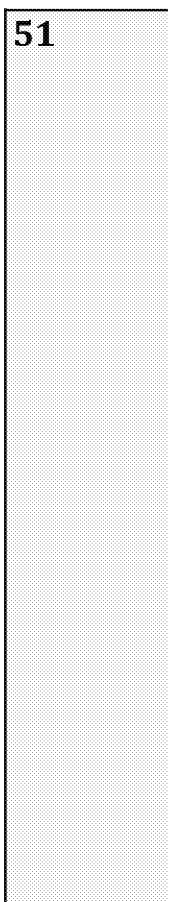

51

Provide copies of records that show the pre-scrubber downtime from January 1, 2005, to present. The information should include, but not be limited to, the date and time the scrubber system went down and the date and time the scrubber system started up.

Combination Boiler No. 1

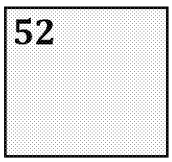
Provide monthly production data for the combination boiler #1 from January 1, 2005, to present. The production data should include, but not be limited to, hours of operation (hours per month), and fuel usage of all or any fuels fired (tons per month or gallons per month).

Provide daily average data for combination boiler #1 from January 1, 2005 to present for the following parameters

a. Gross heat input rate (million BTU/hr);
b. Volumetric flow rate of non-condensable gases to boiler (scfh);
c. Volumetric flow rate of stripper off gases to boiler (scfh);
d. Steam flow rate (lb/hr);
e. Steam temperature (°F);
f. Steam pressure (psig);
g. Superheater outlet temperature (°F);
h. Superheater outlet pressure (psig);
i. Feedwater inlet flow rate (lb/hr);
j. Feedwater inlet temperature (°F);
k. Total air flow rate from the fans (lb/hr);
l. Air temperature (°F);
m. Air pressure (psig);
n. Air flow rate distribution to each level (% to primary, % to secondary, % to tertiary);
o. Percentage (%) excess air to the boiler;
p. Percentage (%) oxygen leaving economizer;
q. Auxiliary fuel firing rates;

TRS Pre-Scrubber

Response 49- Summary xlsx
Response 49 Summary pdf
2005-2011
2012-2018
2019-2022
Response to 31, 32, 36, 36, 47, 48, 50, 51 and 60 xlsx
Response 50, 56, 59 and 65- Combination Boilers Tracking
Over fire air flow data is unavailable prior to 9/06/2014.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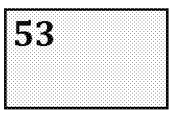
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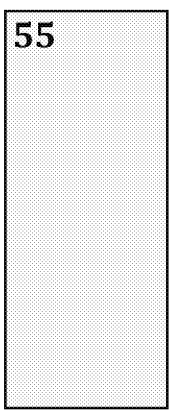
54


55

r. Stack gas dry volumetric flow rate; and

s. Stack gas temperature

Provide the date that combination boiler #1 was capable of firing tire derived fuel (TDF) and the date the boiler first burned TDF.

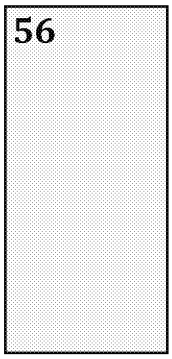
Provide a copy of the most recent sulfur analysis for the #6 fuel oil burned in combination boiler #1.

Provide a copy of the most recent sulfur analysis for the TDF burned in combination boiler #1.

Provide copies of all stack test reports for PM, NOx, VOCs, CO, TRS compounds, and SO2 performed for compliance, engineering, or other purposes from January 1, 2005, to present. The test reports should contain the summary of results, the production data, process operational data and the control device operational data collected during each test (i.e., input flow rates and control device parameters).

Stack test reports

This data is not routinely measured. Available flow rate measurements are included in the provided stack test reports.
Data is unavailable prior to 10/18/2005.
Response to 31, 32, 36, 36, 47, 48, 50, 51 and 60 xlsx
Trial testing of TDF conducted on April 15, 1993. Request for approval to combust TDF submitted to DHEC September 13, 1993.
Response 53 and 62 pdf
This information is unavailable.
Bowater Catawba Sep 08 #1 CB PM Comp Report
RESOLUTE CATAWBA FEB 2016 No 1-2 CB IPT Report-Revised Pages
Bowater Catawba July 06 #1&2 CB PM Comp Report
Resolute Catawba APR 2013 CB-SDTV PM COMP REPORT- corrected pages
NEW-INDAY CATAWBA MAR 2020 1-2 CB NESHAPS BOILER MACT COMP RPT
RESOLUTE CATAWBA MAY 2013 #1-2 CB BOILER MACT REPORT
RESOLUTE CATAWBA MAY 2015 #1-2 CB BOILERS EMISSION REPORT
RESOLUTE CATAWBA MAR 2017 1-2 CB NESHAPS BOILER MACT COMP RPT
BOWATER CATAWBA MAY 11 COMP REPORT
Resolute Catawba Mar 2014 CB 1 CB 2 Boilers PSD Emission Test Report
RESOLUTE CATAWBA APR 2013 CB SDTV PM COMP REPORT
NEW-INDY CATAWBA JULY 2021 EMISSION TEST REPORT VER 3
NEW-INDY CATAWBA OCT 2021 1-2 CB SO2 EMISSION TEST REOIRT
BOWATER CATAWBA APR 10 COMP REPORT
BOWATER CATAWBA APR 2015 COMP REPORT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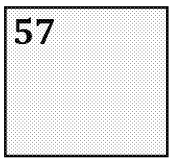
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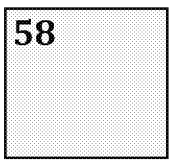
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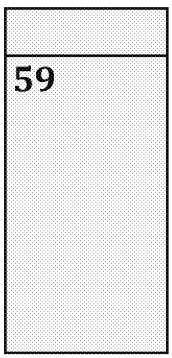
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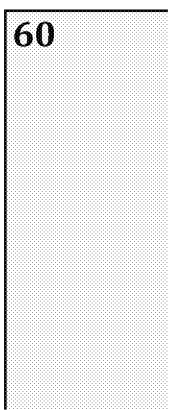

60

Provide monthly SO2 emissions records from the combustion of the NCGs and SOGs for combination boiler #1 from January 1, 2015, to present. The records should include, but not be limited to, the SO2 emission rate, the calculations used to determine the SO2 emissions, and any documentation that justifies the information used in the calculation.

Provide the monthly quantity of SOGs (scf/month) that have been incinerated in combination boiler #1 from January 1, 2005, to present.

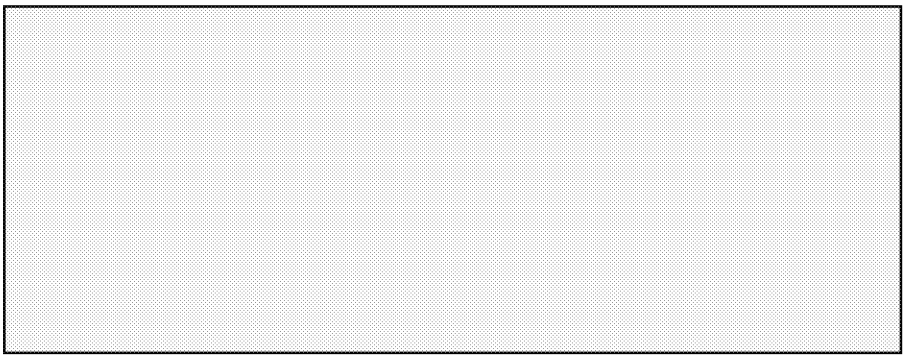
Provide the monthly quantity of NCGs (scf/month) that have been incinerated in combination boiler #1 from January 1, 2005, to present.

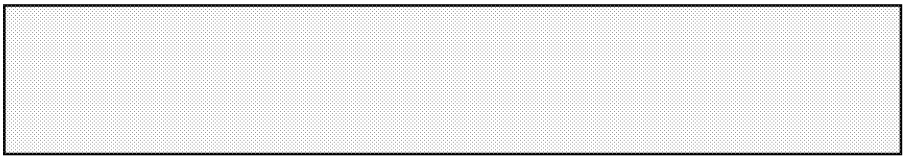
Combination Boiler No. 2

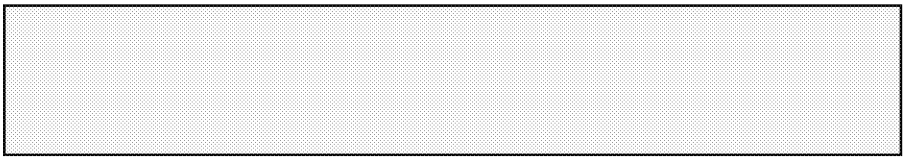
Provide monthly production data for the combination boiler No. 2 from January 1, 2005, to present. The production data should include, but not be limited to, hours of operation (hours per month), and fuel usage of all or any fuels fired (tons per month or gallons per month).

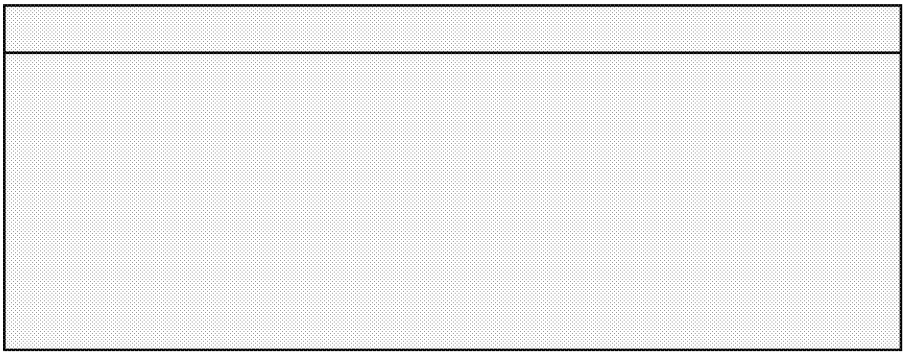
Provide daily average data for combination boiler No. 2 from January 1, 2005, to present, for the following parameters:

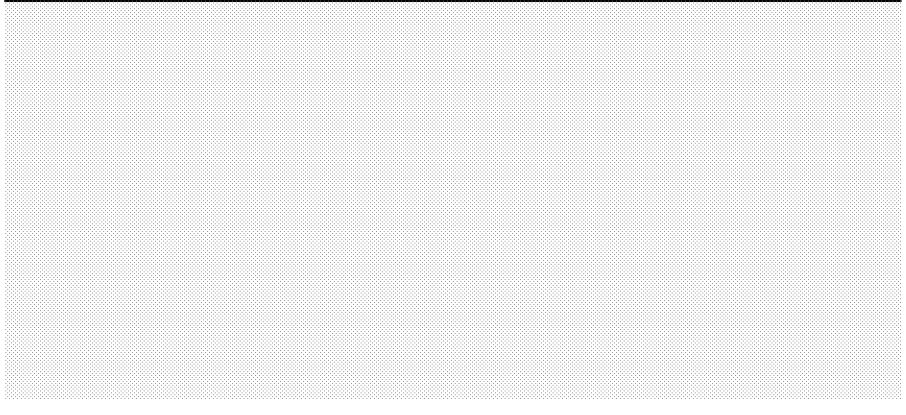
a. Gross heat input rate (million BTU/hr);
b. Volumetric flow rate of non-condensable gases to boiler (scfh);
c. Volumetric flow rate of stripper off gases to boiler (scfh);
d. Steam flow rate (lb/hr);
e. Steam temperature (°F);
f. Steam pressure (psig);



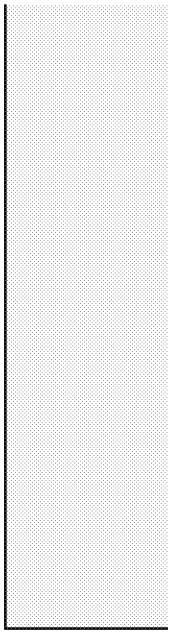








RESOLUTE CATAWBA JAN 2015 #1 CB EMISSION REPORT
RESOLUTE CATAWBA Oct 13 #1 and # 2. CB EMISSION REPORT
RESOLUTE CATAWBA FEB 2016 No 1-2 CB IPT Report-Revised Pages
BOWATER CATAWBA JULY 05 EMISSION REPORT
Response 50, 56, 59 & 65- Combination Boilers Tracking xlsx
Response 57 pdf. This data is unavailable.
Response 58 pdf. This data is unavailable.
Response to 31, 32, 36, 37, 47, 48, 50, 51, 52 and 60 xlsx
Response 50, 56, 59 and 65- Combination Boilers Tracking xlsx



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62

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g. Superheater outlet temperature (°F);
h. Superheater outlet pressure (psig);
i. Feedwater inlet flow rate (lb/hr);
j. Feedwater inlet temperature (°F);
k. Total air flow rate from the fans (lb/hr);
l. Air temperature (°F);
m. Air pressure (psig);
n. Air flow rate distribution to each level (% to primary, % to secondary,
% to tertiary);
o. Percentage (%) excess air to the boiler;
p. Percentage (%) oxygen leaving economizer;
q. Auxiliary fuel firing rates;
r. Stack gas dry volumetric flow rate; and

s. Stack gas temperature

Provide the date that combination boiler No. 2 was capable of firing tire derived fuel (TDF) and the date the boiler first burned TDF.

Provide a copy of the most recent sulfur analysis for the #6 fuel oil burned in combination boiler No. 2.

Provide a copy of the most recent sulfur analysis for the TDF burned in combination boiler No 2

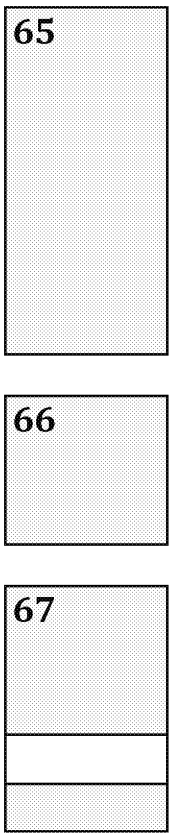
Provide copies of all stack test reports for PM, NOx, VOCs, CO, TRS compounds, and SO2 performed for compliance, engineering, or other purposes from January 1, 2005, to present. The test reports should contain the summary of results, the production data, process operational data and the control device operational data collected during each test (i.e., input flow rates and control device parameters).

Stack test reports

Over fire air flow data is unavailable prior to 9/06/2014.
This data is not routinely measured. Available flow rate measurements are included in the provided stack test reports.
Data is unavailable prior to 10/18/2005.

Response to 31, 32, 36, 37, 47, 48, 50, 51, 59 and 60 xlsx

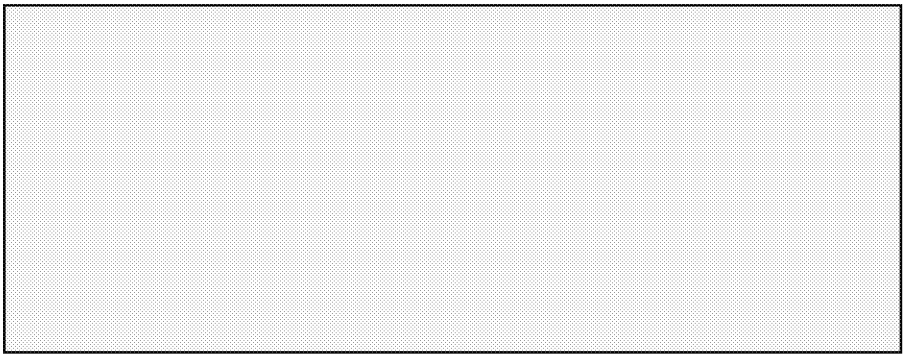
Trial testing of TDF conducted on April 15, 1993. Request for approval to combust TDF submitted to DHEC September 13, 1993.
Response 53 and 62 pdf
This information is unavailable
No. 2 CB Data- CEM
Noc 2 CB Data- VFR
RESOLUTE CATAWBA FEB 2016 No 1-2 CB IPT REPORT-REVISED PAGES
RESOLUTE CATAWBA APR 2013 CB SDTV PM COMP REPORT- corrected pages
BOWATER CATAWBA AUG 08 #2 CB PM COMP REPORT

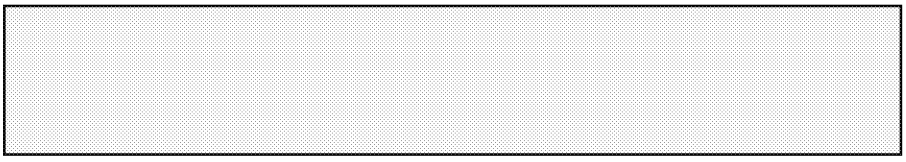

65
66
67

Provide monthly SO2 emissions records from the combustion of the NCGs and SOGs for combination boiler No. 2 from January 1, 2015, to present. The records should include, but not be limited to, the SO2 emission rate, the calculations used to determine the SO2 emissions, and any documentation that justifies the information used in the calculation.

Provide the monthly quantity of SOGs (scf/month) that have been incinerated in combination boiler No. 2 from January 1, 2005, to present.

Provide the monthly quantity of NCGs (scf/month) that have been incinerated in combination boiler No. 2 from January 1, 2005, to present.
40 C.F.R Part 63 Subpart S





Bowater Catawba July 06 #1&2 CB PM Comp Report
RESOLUTE CATAWBA APR 2015 #2 CB PM COMP REPORT
RESOLUTE CATAWBA AUG 2015 #2 CB PM NOX CO REPORT
BOWATER CATAWBA MAY 11 COMP REPORT
RESOLUTE CATAWBA APR 2013 CB-SDTV PM COMP REPORT
BOWATER CATAWBA APR 10 COMP REPORT
BOWATER CATAWBA JULY 05 EMISSION REPORT
RESOLUTE CATAWBA MAY 2013 #1-2 CB BOILER MACT REPORT
RESOLUTE CATAWBA MAT 2015 #1-2 CB BOILERS EMISSION REPORT
NEW-INDY CATAWBA OCT 2021 1-2 CB SO2 EMISSION TEST REPORT
RESOLUTE CATAWBA JAN 2015 #2 CB PM-NOX CO EMISSION RPT
NEW-INDY CATAWBA MAR 2020 1-2 CB NESHAPS BOILER MACY COMP RPT
RESOLUTE CATAWBA FEB 2016 No 1-2 CB IPT REPORT
RESOLUTE CATAWBA MAR 2017 1-2 CB NESHAPS BOILER MACT COMP RPT
Resolute Catawba Mar 2014 CB 1 CB 2 Boilers PSD Emission Test Report
RESOLITE CATAWBA Oct 13 # 1 and # 2 CB EMISSION REPORT
NEW-INDY CATAWBA JULY 2021 EMISSION TEST REPORT VER 3

Response 50,56, 59 and 65 - Combination Boilers Tracking xlsx

This information is unavailable.

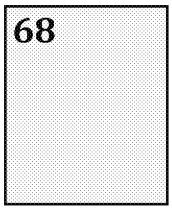
This information is unavailable.

68

Provide a complete copy, including all attachments, of the initial notification of compliance status report that was submitted. Also, provide complete copies of any revisions made to the notification of compliance status report.

June-July IPT Report
CAP REPORT SUBMITTED JUNE 15, 2021
October 5 Response + Attachments

New-Indy Catawba IPT Report Part 3- Appendiced I through K
New-Indy Catawba IPT Report Part 1- Narrative through Appendix A
New-Indy Catawba IPT Report Part 2- Appendices B through H
Aug 2021 MACT Subpart S NOCS
New-Indy DHEC CAP report
New-Indy DHEC CAP Appendices
New-Indy DHEC CAP Report Email 6-25-21
Attachmment IPT26b New-Indy- Catawba Flow Diagram_modified.tif.points
Attachment IPT19b-ASB Flows Tracer Study
Attachment ST8- Block Flow Diagram LVHC NCG
Attachment IPT26b New-Indy- Catawba Flow Diagram
Attachment IPT13- Revised Table 2-10 R1
Attachment IPT22 Letter from DHEC approving stripper restart
Attachments ST3-otm26
Attachments IPT4- Steam Stripper 24 hr parameters
Attachments IPTS- ASB and Post Aeration Flows
Attachment IPT26b New-Indy- Catawba Flow Diagram
New-Indy Catawba Response to DHEC and EPA Stack testing comments
Attachment IPT19(2) Tracer Study lab report
Attachment IPT19a(1) Tracer Study lab report
Attachment IPT26a AERATOR POND LAYOUT flow pattern
Attachment IPT11-compiled- v2
Attachment IPT12- ALS and AAC MDL Study R1
Attachment IPT3- CoC- Keika Ventures - AAC
Attachment IPT14- July IPT ASB Aerial Maps
Attachment IPT2- MLVSS Test Reports
Attachment IPT26b New Indy - Catawba Flow Diagram_modified
Attachment IPT18- Additional Info AAC-TRS-RSK-175
ST1-NEW-INDY CATAWBA JULY 2021 EMISSION TEST REPORT VER 3
Attachment IPT1- ALS Kelso Tier 4 Reports IPT June_July 2021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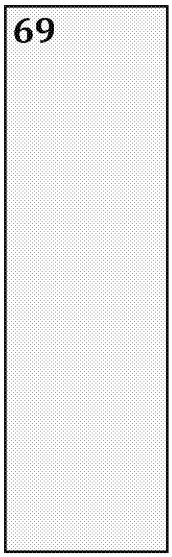
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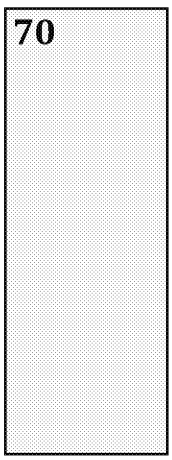

70

Provide a complete copy, including all attachments, of the initial notification of compliance status report that was submitted. Also, provide complete copies of any revisions made to the notification of compliance status report.

Page 2-2 of The Initial Performance Test Plan (Test Plan), revised May 2021, provides a list of process condensates streams that are collected in the Foul Condensate Tank and treated in the aeration stabilization basin (ASB) or steam stripper. The Test Plan does not mention the process condensate from the turpentine recovery system, which is listed in the pulp and paper MACT (40 C.F.R. Part 63 Subpart S). Provide a detailed discussion of how the company handles and processes the condensate associated with the turpentine recovery system.

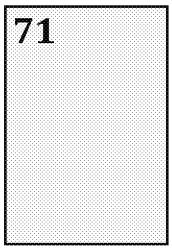
Page 2-2 of Test Plan provides a list of process condensates streams that are collected in the Foul Condensate Tank and treated in the ASB or steam stripper. The Test Plan does not mention the process condensate from the digester system, which is listed in the pulp and paper MACT (40 C.F.R. Part 63 Subpart S). Provide a detailed discussion of how the company handles and processes the condensate associated with the digester system.

June-July IPT Report

October 5 Response + Attachments

June-July IPT Report

Aug. 2021 MACT Subpart S - NOCS
Nov. 2016 MACT Subpart S - NOCS
Dec. 2015 MACT Subpart S - NOCS
2020-11-06-NOCS_Cluster_Rule_MACT_SubpartS
New-Indy Catawba IPT Report Part 3- Appendiced I through K
New-Indy Catawba IPT Report Part 1- Narrative through Appendix A
New-Indy Catawba IPT Report Part 2- Appendices B through H
Aug 2021 MACT Subpart S NOCS
New-Indy Catawba Response to DHEC and EPA stack testing comments
New-Indy Catawba IPT Report Part 3- Appendiced I through K
New-Indy Catawba IPT Report Part 1- Narrative through Appendix A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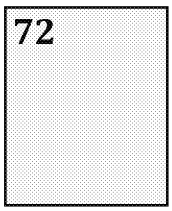
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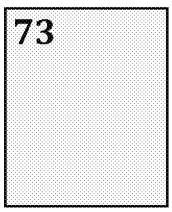
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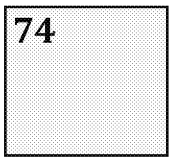

74

Provide a copy of the initial characterization sampling data and flow rate data associated with each pulping process condensate stream listed in 40 C.F.R. § 63.446(b) used to show compliance with 40 C.F.R. § 63.446(c).

Provide copies of all sampling data and flow rate data associated with each pulping process condensate stream listed in 40 C.F.R. § 63.446(b) from September 2000 to present.

Provide copies of any documents that discuss the differences in concentration data and flow rate data of each condensate stream listed in 40 C.F.R. § 63.446(b) from September 2000 to present.

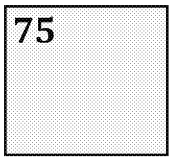
Provide a complete copy of the pulping system closed collection system inspection plan as required by 40 C.F.R. § 63.454(b).

October 5 Response + Attachments

LDAR

New-Indy Catawba IPT Report Part 2- Appendices B through H
Aug 2021 MACT Subpart S NOCS
New-Indy Catawba Response to DHEC and EPA stack testing comments
New-Indy does not have data prior to the installation of the steam stripper on 9/18/01. The flow rate is calculated from measurements of the inlet and outlet flows.
Response Nos 71-73- 2002 Bowater- SCDHEC
Response Nos 71-73- Explanation
Response Nos 71-73- Jacobs Engineering Study
Response Nos 71-73- 2002 Bowater- SCDHEC
Response Nos 71-73- Explanation
Response Nos 71-73- Jacobs Engineering Study
Response No 72- Stripper Compliance Data
These records are unavailable proior to 2003.
Response Nos 71-73- 2002 Bowater- SCDHEC
Response Nos 71-73- Explanation
Response Nos 71-73- Jacobs Engineering Study
New-Indy does not have data prior to the installation of the steam stripper on 9/18/01. The flow rate is calculated from measurements of the inlet and outlet flows, not measurements from each condensate stream.

This information is included in the LDAR folder.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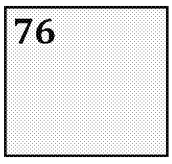
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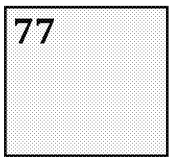
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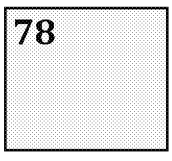
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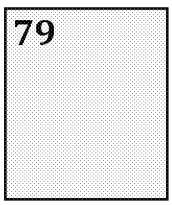
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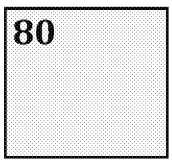
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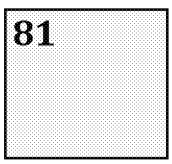
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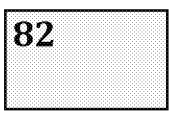
82

Provide copies of the records of the pulping system closed collection system inspections from January 2010 through June 2021.

Provide copies of the records of the annual pulping system closed collection system Reference Method 21 evaluations from January 2010 through June 2021.

Provide a complete copy of the condensate closed collection system inspection plan as required by 40 C.F.R. § 63.454(b).

Provide copies of the records of the monthly condensate closed collection system inspections from January 2010 through June 2021.

Provide copies of the records of the annual condensate closed collection system Reference Method 21 evaluations from January 2010 through June 2021.

Provide copies of the negative pressure demonstrations for each enclosure opening from January 2010 through June 2021.

Provide copies of the monthly inspection records for the bypass lines in the closed vent system line from January 2010 through June 2021.

Provide complete copies of each semiannual excess emission report from January 1, 2015, to present.

LDAR

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This information is included in the LDAR folder.

This information is included in the LDAR folder. Records prior to January 2014 are unavailable.

This information is included in the LDAR folder. Records prior to January 2014 are unavailable.

This information is included in the LDAR folder.

This information is included in the LDAR folder. Records prior to January 2014 are unavailable.

This information is included in the LDAR folder.

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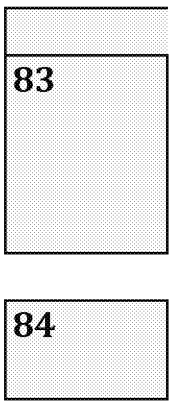
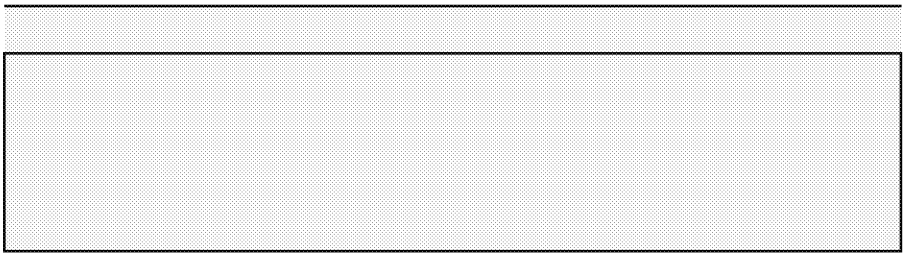
Attachment B 2020a_V2
MACT I_1stSemi_2015
MACT I_2ndSemi_2015
2019-2Q_MACT I_Report-r2019-10
2016-2Q MACT I 1SA
2018- MACT I 2SA


83
84

40 C.F.R Part 63 Subpart MM
Provide a complete copy, including all attachments, of the initial notification of compliance status report that was submitted. Also, provide complete copies of any revisions made to the notification of compliance status report.

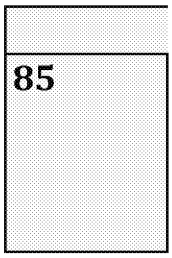
Provide complete copies of each semiannual excess emission report from January 1, 2015, to present.



2016-4Q MACT I ISA
2017-2Q MACT ISA
Attachment B 2019b-r2020-03-02
Attachment B 2020b
SAR 2021b Attachment B
2017-4Q MACT I 2SA
2018-2Q MACT I 1SA-r1
1H2021 TV SAR Attach B
2015-4Q_2SA_MACT_I

Sept 2004 Subpart MM NOCS

2018-3Q_MACT_II_Report
2018 2Q_MACT_II_Report
2016 2Q MACTII Report
2017 2Q_MACT_II_Report
2016 3Q_MACTIII Report
2016 4Q_MACTIII_Report
2017 4Q _MACT_II Report
2018 4Q_MACT II Report
2017 3Q_MACT_II_Report
2017-1Q_MACT_II_Report
2018-1Q_MACT_II_Report
MACT II 2nd Quarter 2015
2015-4Q_MACT_II
2015 3Q MACT II
2016 1Q- MACT II Report Final
Attachment B 2019b-r2020-03-02
Attachment B 2020b
Attachment B 2020a_v2
SAR 22021b Attachment B
1H2021 TV SAR Attach B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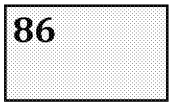
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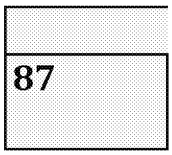
87

40 C.F.R Part 63 Subpart JJJJ
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Provide complete copies of each semiannual excess emission report from January 1, 2015, to present.

40 C.F.R Part 60 Subpart BB
Provide complete copies of each semiannual excess emission report from January 1, 2015, to present.

Semi-annual excess emission reports

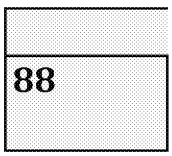
2015

2016

2017

2018

1Q15 report is unavailable
2020-11-06 NOCS_Updated_Coating_MACT JJJJ
2006-03-29-NOCS-MACT JJJJ
POWC 1SA 2015
2019-2Q_POWC_Report_July 24
2018 2Q POWC 1SA
2018 4Q POWC 2SA
2016 2Q POWC 1SA
2016- 4Q POWC 2SA
2017- 4Q POWC 2SA
2017- 2Q POWC 1SA
2015- 4Q_2SA_POWC
Attachment B 2019b-r20200302
Attachment B 2020a_v2
Attachment B 2020b
SAR 2021b Attachment B
1H2021 TV SAR Attach B
Subpart JJJJ reporting commenced 4Q15
CEM 2nd Q 2015
2015_4Q_CEMS
2016-4Q CEM Report
2016-2Q CEM Report
2017- 4Q CEM Report
2017- 2Q CEM Report


88

40 C.F.R Part 60 Subpart BBa

Provide complete copies of each semiannual excess emission report from January 1, 2015, to present.

2019

2020

2021

2018- 2Q CEM Report
2018- 4Q CEM Report
2019 2Q_CEM_Report 2019-08-09
New-Indy Catawba Semi-Annual Compliance Report 2019b-r1
New Indy Catawba Semi-Annual Compliance Report 2020b
New Indy Catawba Semi-Annual Compliance Report 2020a 072320
New-Indy Catawba Semi-Annual Compliance Report 2021b
New-Indy Catawba Revised-Semi Annual Compliance Report 2021a(R1)
Response 88 pdf - New-Indy is not subject to 40 CFR Part 60 Subpart Bba.